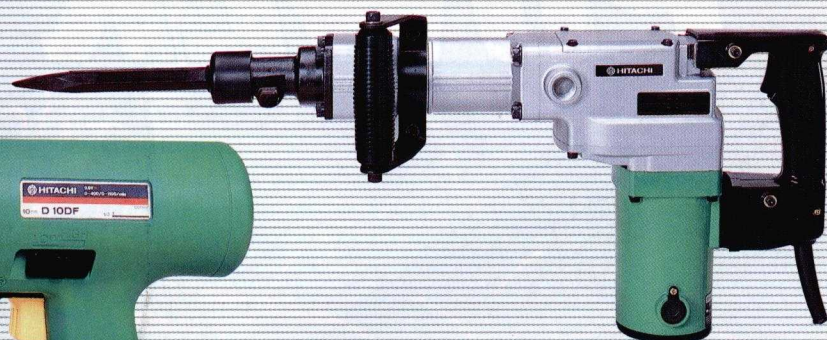
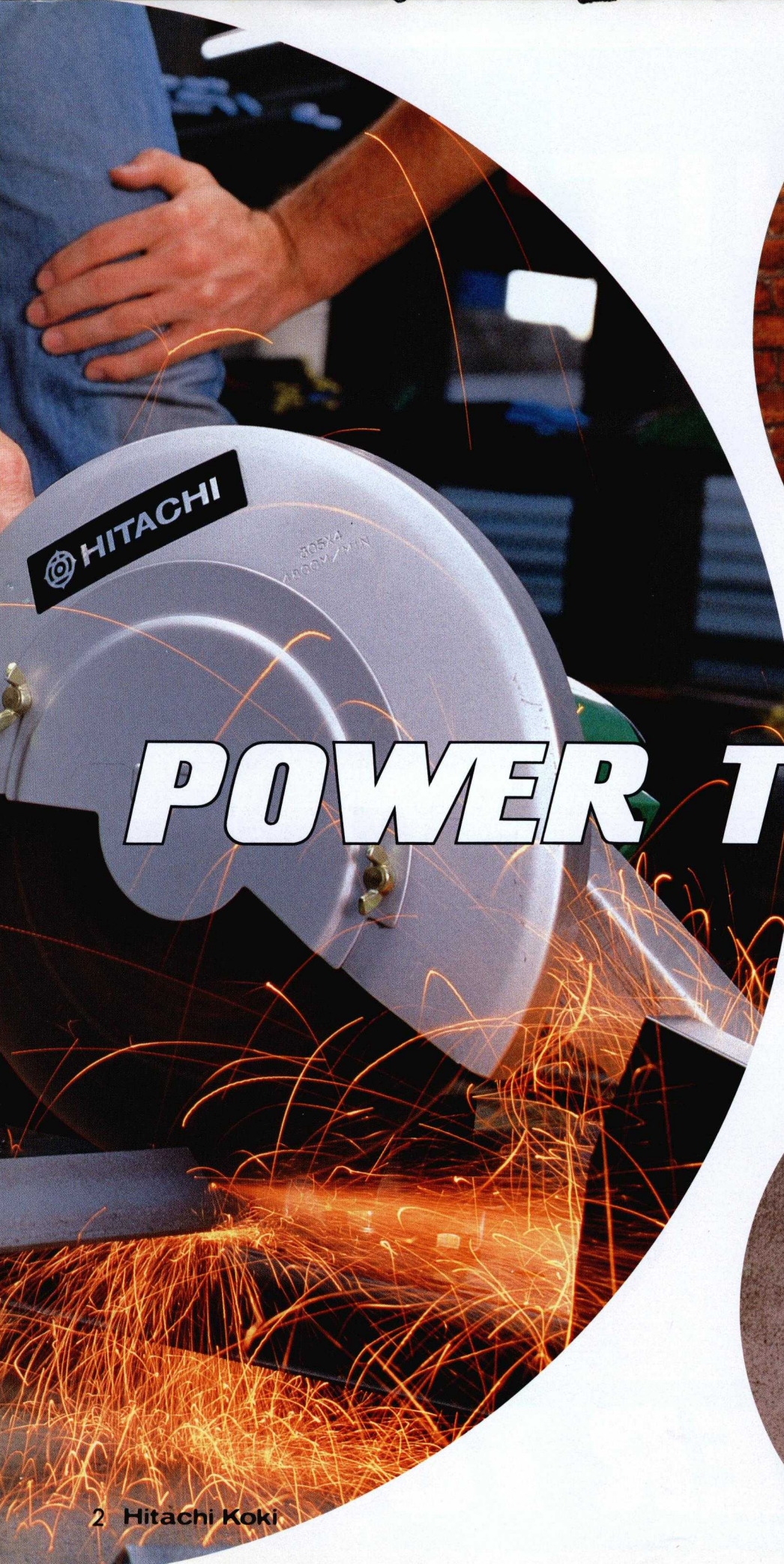




HITACHI



POWER TOOLS



POWER TOOLS.





HITACHI KOKI CO., LTD., was established in 1948 as an independent member of the highly diversified Hitachi Group, and as such became the beneficiary of some 35 years worth of Hitachi electro-mechanical research, development and manufacturing expertise. It was Hitachi that developed Japan's first electric motor, and which has remained at the leading edge of electro-mechanical technological advancement.

Building on that solid foundation, HITACHI KOKI rapidly became Japan's leading manufacturer of power tools, and has maintained that position through unbending adherence to high standards of quality in materials and workmanship. A large investment of human and financial resources goes into original research to ensure that each and every Hitachi Power Tool is provided with the best possible mechanism and design.

Equipped with up-to-date machine tools and designed and constructed to create "perfect harmony between nature and industry", HITACHI KOKI works provide an ideal working environment for employees who devote daily efforts to producing power tools with an extra margin of safety. We whole-heartedly believe that truly safe products can be manufactured only in the safest possible working environment. Therefore, we enforce a strict safety management program, a program which

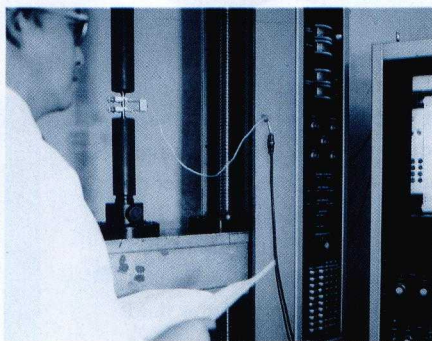
earned us an award for the longest accident-free performance in the history of Japan's metal processing machine manufacturing industry—4,800,000 consecutive operating hours without an accident (a record established in December, 1972). That safety-first policy is fully reflected in every Hitachi Power Tool delivered to the end user. Perfected after stringent testing in the factory and by selected industrial end users in the field to obtain maximum performance coupled with handling ease and safety for the operator, Hitachi Power Tools today enjoy an enviable reputation around the world for their excellent performance, safety-oriented design, and long service life.

To ensure timely response to customer needs, both in supply and in after-sales service, HITACHI KOKI maintains six manufacturing plants (four domestic and two abroad) and a huge network of computerized service facilities to reach the most remote areas of the world. Constant feedback from that sales and service network is a great help to our research and development team in developing new and advanced models to meet the increasingly sophisticated needs of both professional and DIY (do-it-yourself) end users. Hitachi Power Tools are the consistent leaders in quality, operability, and performance.



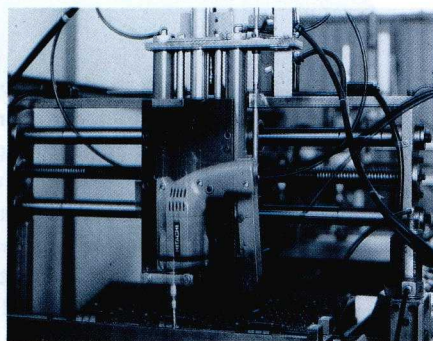
Quality Control

Under a stringent quality control program, Hitachi Power Tools are without exception subjected to rigid inspections and tests at each stage of processing. Each part is meticulously scrutinized for flaws by expert inspectors. Components are thoroughly tested at assembly lines to ensure optimum performance, and each finished product is carefully examined to assure uniform quality.



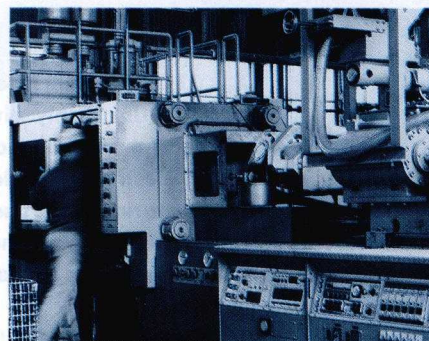
Safety

Double-Insulation power tools, indicated by the doublesquare safety mark (⊞), can be operated without external grounding. Designed and manufactured with the accent on safety, Hitachi Power Tools are provided with safety brakes, safety covers and various other safety features. With particular concern for the prevention of common accidents, they are constructed to direct sawdust, metallic chips, and other debris away from the operator.



Trade Associations

Hitachi Power Tools U.S.A. Ltd. is an associated member of the following trade associations.



ONE-YEAR LIMITED WARRANTY

WARRANTY

This warranty of the Hitachi Power Tools (hereafter the "Hitachi Product") extends to the original purchaser of the Hitachi Product.

WARRANTY DURATION

This Hitachi Product (except for batteries) is warranted to the original purchaser for a period of one (1) year from the original purchase date. Batteries are warranted to the original purchaser for a period of ninety (90) days from the original purchase date. Warranty coverage is conditioned upon purchaser furnishing Hitachi or its authorized service station with adequate written proof of the original purchase date.

OWNER'S REGISTRATION CARD

The return of the Owner's Registration Card by the original purchaser within ten (10) days after the original purchase date is not a condition precedent to coverage under this warranty, but will help establish the original, purchase date from which this warranty runs.

WARRANTY COVERAGE

This Hitachi Product is warranted by Hitachi Power Tools U.S.A., Ltd. (referred to hereinafter as "Hitachi"), 4487-E Park Drive, Norcross, Georgia 30093, against defective materials or workmanship.

This warranty is void if: defects in materials or workmanship or damages result from repairs or alterations which have been made or attempted by others or the unauthorized use of non-conforming parts; the damage is due to normal wear; the damage is due to abuse (including overloading the Hitachi Product beyond capacity), improper maintenance neglect or accident, or the damage is due to use of the Hitachi Product after partial failure or use with improper accessories.

WARRANTY PERFORMANCE

During the above one (1) year warranty period, should your Hitachi Product exhibit a defect in materials or workmanship, such defect will be repaired when the complete Hitachi Product is returned, postage prepaid and insured, to a Hitachi authorized service station listed in the user's manual. Other than the postage and insurance requirement, no charge will be made for repairs covered by this warranty.

WARRANTY DISCLAIMERS

No warranty, oral or written, other than the above warranty is made with regard to this Hitachi Product. Any implied warranties of Hitachi regarding this Hitachi Product, including but not limited to, the implied warranties of merchantability and fitness for a particular purpose are limited in duration to the above one (1) year period (or ninety (90) days in the case of batteries). Hitachi shall not be liable for loss of use of this Hitachi Product or other incidental or consequential costs, expenses, or damages incurred by the purchaser.

LIMITATIONS ON WARRANTY DISCLAIMERS

Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

PRODUCT IMPROVEMENT LIABILITY DISCLAIMER

Hitachi Power Tools bearing the monograms of Underwriters' Laboratories, Inc. are listed by their testing laboratories as having complied with their standards for safety.



CERTIFIED TO MEET ALL SAFETY
OSHA
REQUIREMENTS FOR POWER TOOLS

SPECIFICATIONS AND STANDARD EQUIPMENTS SUBJECT TO CHANGE WITHOUT NOTICE

Hitachi Power Tools U.S.A. Ltd. reserves the right to make any changes in or improvements on its products without incurring any liability or obligation whatever and without being required to make any corresponding changes or improvements in products previously manufactured or sold.

WARRANTY LIMITATIONS APPLICABLE ONLY TO INDUSTRIAL OR COMMERCIAL USERS (AND NOT TO CONSUMERS)

When this Hitachi Product shall be owned, held or used by a person such that this Hitachi Product is not a "consumer good", as that term is defined in the uniform commercial code as enacted in the state of purchase (or as the equivalent term is defined under any similar statute of the state of purchase), in no event shall Hitachi be liable to anyone for special, collateral, incidental, or consequential damages in connection with or arising out of the purchase or use of this Hitachi Product, whether arising in contract or in tort, and the sole and exclusive liability of Hitachi, regardless of the form of action, shall not exceed the purchase price of this Hitachi Product. Moreover, provided this Hitachi Product is not a "consumer good", Hitachi shall not be liable for any claim of any kind whatsoever against the user of this Hitachi Product by any other party.

LEGAL RIGHTS

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Fractional Inch	Milli- Meter
	0
1/64	.40
1/32	.79
"	1
3/64	1.19
1/16	1.59
"	2
3/32	2.38
"	3
1/8	3.18
5/32	3.97
"	4
3/16	4.76
"	5
13/64	5.16
7/32	5.56
"	6
1/4	6.35
"	7
9/32	7.14
5/16	7.94
"	8
11/32	8.73
"	9
3/8	9.53
25/64	9.92
"	10
13/32	10.32
"	11
7/16	11.11
15/32	11.91
"	12
1/2	12.70
"	13
17/32	13.49
"	14
9/16	14.29
"	15
19/32	15.08
5/8	15.88
"	16
21/32	16.67
"	17
11/16	17.46
"	18
23/32	18.26
"	19
3/4	19.05
25/32	19.84
"	20
51/64	20.24
"	21
53/64	21.03
"	22
7/8	22.23
"	23
29/32	23.02
15/16	23.81
"	24
63/64	25
1	25.40

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CORDLESS TOOLS

Cordless Impact Driver



WH 8DA1 (1/4" Hex Bit Shank, Reversible)

- High speed bolt/screw tightening torque: 43.0 ft-lbs
- Powerful 9.6 V-DC motor, yet light weight and well balanced design
- Rugged impact drive mechanism for professional use and long service life
- Automatic cut-off, 1 hour charger

Standard Equipment:
1 Charger (UC 12Y), 1 Battery Pack EB 9 (991644Z)

For accessories, see page 10, 11.

Cordless Impact Wrench



WH 10D (1/2" Square Drive, Reversible)

- Powerful and efficient tightening torque
- Tightens 130 ordinary bolts (9/16") per charge (Average)
- Rocker switch for easy rotation change
- Automatic cut-off, 80 minutes charger
- Industrial pin detent socket retainer

Standard Equipment:
1 Charger (UC 12Y), 1 Battery Pack B-3 (982467Z), 1 Adaptor UC 12Y-AD (301832)

For accessories, see page 10, 11.

Cordless Driver Drill



3/8" D 10DB (2 stage variable, Reversible)

- Stepless speed-control device for versatility
- 2 stage variable speed with one-touch shift knob
- Automatic cut-off, 1 hour charger

Standard Equipment:
1 Charger (UC 12Y), 1 Battery Pack B-2 (980579Z), 1 Chuck Key (980057), 1 Phillips Bit (955654), 1 Drill Chuck (950292)

For accessories, see page 9, 10.

Cordless Driver Drill



3/8" DTC-10 (2-Speed, Reversible)

- Compact and lightweight for easy handling
- Automatic cut-off, 1 hour charger

Standard Equipment:
1 Battery Pack B-2 (980579Z), 1 Charger (UC 12Y), 1 Chuck Key (980057), 1 Drill Chuck (950292), 1 Phillips Bit (955654)

For accessories, see page 9, 10.

Specifications:

Model	Capacity (in.)	Drive (in.)	Torque (ft-lbs.)	No-Load Speed (RPM)	Full-Load Impact Rate per Min.	Overall Length (in.)	Tool Weight (lbs.)	Battery Pack (DC)
WH 8DA1	Bolt/Screw 3/16~5/16	1/4 Hex Bit Shank	43.0	2,200	2,900	7-7/8	3.3	9.6 V
WH 10D	Bolt 5/16~9/16	1/2	72.3	1,200	1,800	9-3/8	5.5	

Model	Capacity (in.)				No-Load Speed (RPM)	Overall Length (in.)	Weight (lbs.)	Battery Pack Voltage (DC)
	Mild Steel	Soft Wood	Wood Screw (D×L)	Machine Screw				
D 10DB	3/8	19/32	#11×1-3/8	—	0~300/650	9-7/8	2.6	7.2 V
DTC 10				1/4	280/700			

Chargers will be changed soon as follows: UC9 to UC12Y, BC2 to UC12Y and BC3 to UC12Y plus YC12Y-AD



CORDLESS TOOLS

Cordless Driver Drill



3/8" **D 10DD** (2-Speed, Reversible)

- Powerful motor: 9.6 V-DC
- Automatic cut-off, 1 hour charger

Standard Equipment:

1 Battery Pack EB 9 (991644Z), 1 Charger (UC 12Y), 1 Chuck Key (980057), 1 Phillips Bit (955654), 1 Drill Chuck (950292)

For accessories, see page 9, 10.

Cordless Driver Drill



3/8" **D 10DG** (2 Stage variable, Reversible)

- Powerful motor: 9.6 V-DC
- Automatic cut-off, 1 hour charger
- Tightens up to 50, #12×2-7/32" wood screws per charge, drills up to 60, 1/4" holes in 16 gauge mild steel, 170, 3/8" holes in aluminum, and 130, 23/32" holes in soft wood.

Standard Equipment:

1 Battery Pack EB 9 (991644Z), 1 Charger (UC 12Y), 1 Chuck Key (980057), 1 Chuck (950292), 1 Phillips Bit (955654)

For accessories, see page 9, 10.

Cordless Driver Drill



3/8" **D 10DC** (2 Stage variable, Reversible)

- Stepless speed-control device for versatility
- 2 stage variable speed with one-touch shift knob
- Automatic cut-off, 1 hour charger
- 5-step clutch for easy one-touch adjustment of tightening torque
- Max lock torque in drill mode is 86 inch-lbs.

Standard Equipment:

1 Charger (UC 12Y), 1 Battery Pack B-2 (980579Z), 1 Chuck Key (980057), 1 Phillips Bit (955654), 1 Drill Chuck (950292)

For accessories, see page 9, 10.

Cordless Driver Drill



3/8" **DRC-10** (2-Speed, Reversible)

- 2 mode action: Adjustable screwdriver and drilling
- Adjustable clutch (5-stage)
- Automatic cut-off, 1 hour charger
- Max lock torque 86 inch-lbs. in drill mode

Standard Equipment:

1 Battery Pack B-2 (980579Z), 1 Charger (UC 12Y), 1 Drill Chuck (950292), 1 Chuck Key (980057), 1 Phillips Bit (955654)

For accessories, see page 9, 10.

■ **Specifications:**

Model	Capacity (in.)				No-Load Speed (RPM)	Torque Range (in.-lb.)	Overall Length (in.)	Weight (lbs.)	Battery Pack Voltage (DC)
	Mild Steel	Soft Wood	Wood Screw (D×L)	Machine Screw					
D 10DD	3/8	23/32	#12×2-1/4	—	500/1,000	—	9-3/4	3.3	9.6 V
D 10DG			#12×2-7/32	—	0~500/1,000	—			
D 10DC		19/32	#9×3/4	1/4	0~300/650	8.7/17.4/26 34.7/43.4	10-5/8		7.2 V
DRC-10					300/650				

Chargers will be changed soon as follows: UC9 to UC12Y, BC2 to UC12Y and BC3 to UC12Y plus YC12Y-AD



CORDLESS TOOLS

Cordless Driver Drill



3/8" **D 10D** (2-Speed, Reversible)

- Powerful motor: 9.6 V-DC
- 2 mode action: Adjustable screwdriving and drilling
- 1 hour rechargeable battery pack
- Adjustable clutch (5-stage)
- Automatic cut-off, 1 hour charger
- Max lock torque 129 inch-lbs. in drill mode
- * **Tool Case (Plastic or Steel) is available as option**

Standard Equipment:

1 Battery Pack EB 9 (991644Z), 1 Charger (UC 12Y), 1 Chuck Key (980057), 1 Phillips Bit (955654), 1 Drill Chuck (950292)

For accessories, see page 9, 10.

Cordless Driver Drill

NEW!



3/8" **D 10DF** (2 Stage variable, Reversible)

- Keyless drill chuck for easier bit change
- High torque motor for professional needs
- Five-stage torque adjustable clutch
- Synchronized mechanical 2 speed transmission for quick speed setting
- Automatic cut-off, 1 hour charger
- * **Tool Case (Plastic) is available as option**

Standard Equipment:

1 Battery Pack (991644Z), 1 Charger (UC 12Y), 1 Keyless Drill Chuck (301553), 1 Phillips Bit (955654)

For accessories, see page 9, 10.

Cordless Driver Drill

NEW!



3/8" **D 10DH** (2-Speed, Reversible)

- Keyless drill chuck for easier bit change
- High torque motor for professional needs
- Five-stage torque adjustable clutch
- Synchronized mechanical 2 speed transmission for quick speed setting
- Automatic cut-off, 1 hour charger
- * **Tool Case (Plastic) is available as option**

Standard Equipment:

1 Battery Pack (991644Z), 1 Charger (UC 12Y), 1 Keyless Drill Chuck (301553), 1 Phillips Bit (955654)

For accessories, see page 9, 10.

Cordless Hammer Drill



3/8" **DV 10D** (2-Speed, Reversible)

- Wide application: Hammer drilling, drilling and screwdriving
- Automatic cut-off, 80 minutes charger
- Overload protection device

Standard Equipment:

1 Battery Pack B-3 (982467Z), 1 Charger (UC 12Y), 1 Adaptor UC 12Y-AD (301832), 1 Chuck Key (980057), 1 Drill Chuck (950292)

For accessories, see page 9, 10.

■ Specifications:

Model	Capacity (in.)				No-Load Speed (RPM)	Torque Range (in.-lb.)	Overall Length (in.)	Weight (lbs.)	Battery Pack Voltage (DC)
	Mild Steel	Soft Wood	Wood Screw (D×L)	Machine Screw					
D 10D	3/8	23/32	#12×2-1/4	1/4	300/1,000	17.4/26/34.7 43.4/52.1	10-13/32	3.5	9.6 V
D 10DF		13/16	.217×2-15/32		0~400/1,100		9-7/32	3.7	
D 10DH					400/1,100			3.5	
DV 10D	1/4	1/2	Brick 3/8		750/1,500 Blows 12,000/24,000	—	12-13/32	4.9	



CORDLESS TOOLS

Cordless Hammer Drill



3/8" DV 10DA (2-Speed, Reversible)

- Powerful motor: 12 V-DC
- Wide application:
Hammer drilling, drilling and screwdriving
- Automatic cut-off, 1-hour charger

Standard Equipment:

1 Battery Pack EB 12 (300004), 1 Charger (UC 12Y), 1 Chuck Wrench (980057), 1 Drill Chuck (950292), 1 Plastic Case (300037)

For accessories, see page 9, 10.

Cordless Drywall Screw Driver



W 5DB (2-Speed, Reversible)

- Specially designed for drywall fastening (installation)
- Powerful motor tightens 600 screws (No.6×1") per charge
- Positive, depth adjustment
- Magnetic bit holder
- Mechanical 2-speed
- Automatic cut-off 1-hour charger

Standard Equipment:

1 Battery Pack EB 9 (991644Z), 1 Charger (UC 12Y), 1 Magnetic Bit Holder (982554Z), 1 Plus Bit No.2 (971511Z)

Optional Accessories:






Non-Magnetic Bit Holder (982563Z), Hook (998772), Plastic Case (992638)

For accessories, see page 9, 10, 17.

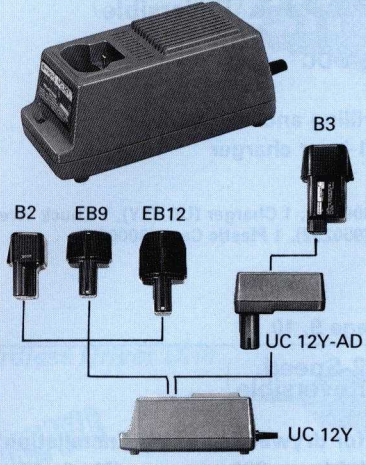

Specifications:

Model	Capacity (in.)				No-Load Speed (RPM)	Overall Length (in.)	Weight (lbs.)	Battery Pack Voltage (DC)
	Mild Steel	Soft Wood	Wood Screw (D×L)	Machine Screw				
DV 10DA	3/8	19/32	Brick 3/8		750/1,500 Blows 12,000/24,000	12-5/32	4.4	12 V
W 5DB	—		Drywall 5/32×1-3/8		1,000/2,500	11-1/4	3.1	9.6 V

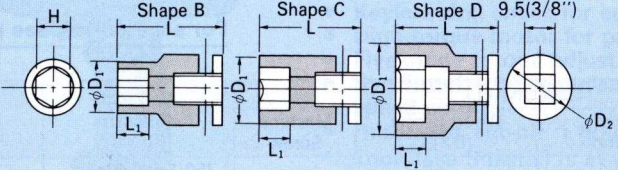
For Drills

Accessories	Part No.	Overall Length	Description	for Model	
Phillips Bits No.1, 2 and 3 	955670 (No. 1)	2-3/4"	2~2.6 mm Dia. Screw	D 10D D 10DB D 10DC D 10DD D 10DG DRC-10 DTC-10	
	955229 (No. 2)	1-25/32"	3~5 mm Dia. Screw (1/8"~3/16")		
	955654 (No. 2)	2-3/4"			
	955230 (No. 3)	1-25/32"	6~8 mm Dia. Screw (1/4"~5/16")		
	955655 (No. 3)	2-3/4"			
Slotted Bits 	955658	1-31/32"	4 mm Dia. Screw (5/32")	D 10D D 10DB D 10DC D 10DD D 10DG DRC-10 DTC-10	
	955659	2-3/4"			
	955673	1-31/32"	5~6 mm Dia. Screw (3/16"~1/4")		
	955674	2-3/4"			
Bits for Steel 	939521	—	2 mm (3/32") [2 pack]	D 10D D 10DB D 10DC D 10DD D 10DG D 10V1 D 10VC D 13	D 13V D 13Y D 13YA DRC-10 DTC-10 DV 10D DV 10DA DW 15Y
	939522		5 mm (3/16")		
	939523		6 mm (1/4")		
Bits for Masonry 	931851	4"	6.5 mm (1/4")	D 10D D 10DB D 10DC D 10DD D 10DG D 10V1 D 10VC D 13	D 13V D 13Y D 13YA DRC-10 DTC-10 DV 10D DV 10DA DW 15Y
	931852	4"	8.0 mm (5/16")		
	931853	4-3/4"	9.5 mm (3/8")		
Bits for Wood 	939528	—	10 mm (3/8")	D 10D D 10DB D 10DC D 10DD D 10DG D 10V1 D 10VC D 13	D 13V D 13Y D 13YA DRC-10 DTC-10 DV 10D DV 10DA DW 15Y
	939529		13 mm (1/2")		
Square Drill Bit	943761	—	for pilot hole in wood		DW 15Y

■ Model UC 12Y and UC 7Y

Chargers	Adaptor	Batteries	for Model	Plastic Tool Case Part No.
Universal Charger UC 12Y (No. 93199137)  UC 7Y equipped with automobil cigarette lighter plug. 12 V to 7.2 V  All the chargers (except UC 7Y) can be replaced by UC 12Y, but BC3 requires Adaptor (UC 12Y-AD, No. 301832.		EB12 12 V No. 300004	DV 10DA	※ Mark for Steel Case 300037
		EB9 9.6 V No. 991644Z (UC9)	CK 12D D 10D D 10DD D 10DF D 10DG D 10DH W 5DB WH 8D WH 8DA WH 8DA1	991674, K10003※ 995429 301847 995429 301847 992638 995315 995315 995315
	UC 12Y-AD No. 301832	B3 9.6 V No. 982467Z (BC3)	DV 10D WH 10D	K10000※
		B2 7.2 V No. 980579Z (BC2)	D 10DB D 10DC DRC-10 DTC-10	992075, K10003※ 992101, K10003※ 981358, K10003※ 980841, K10003※
() indicates Ex-chargers				

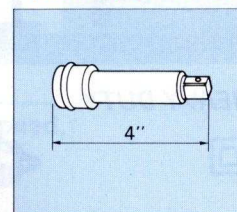
■ Hexagon Sockets for WH 8D

									
Part No.	Nominal diameter of applicable bolt			Hexagonal two side width H, mm (in.)	Shape	Socket primary dimensions (in.)			
	ISO (Ordinary)	ISO (Small)	Inch			L	L ₁	φD ₁	φD ₂
996125	M5 (3/16")			8 (5/16")	B	1-5/16"	3/16"	1/2"	3/4"
996126	M6 (1/4")			10 (3/8")	B		1/4"	5/8"	
996127		M8 (5/16")	W 5/16"	12 (15/32")	C		9/32"	3/4"	
996128	M8 (5/16")			13 (1/2")	B		5/16"	25/32"	
996129		M10 (3/8")		14 (9/16")	B		5/16"	13/16"	7/8"
996130	M10 (3/8")			16 (5/8")	D		11/32"	15/16"	
996131		M12 (15/32")	W 3/8"	17 (21/32")	D		3/8"	1"	
996132	M12 (15/32")			18 (23/32")	D		3/8"	1-1/32"	
996133		M14 (9/16")	W 7/16"	19 (3/4")	D		15/32"	1-1/16"	

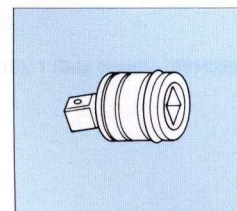
■ Long Hexagon Sockets for WH 8D

Part No.	Nominal diameter of applicable bolt			Hexagonal two side width H, mm (in.)	Shape	Socket primary dimensions (in.)				
	ISO (Ordinary)	ISO (Small)	Inch			L	L ₁	L ₂	φD ₁	φD ₂
996134	M5 (3/16'')			8 (5/16'')	B	2-3/8''	15/32''	1-7/8''	1/2''	3/4''
996135	M6 (1/4'')			10 (3/8'')			9/16''		5/8''	
996136		M8 (5/16'')	W 5/16''	12 (15/32'')					22/32''	
996137	M8 (5/16'')			13 (1/2'')					3/4''	
996138		M10 (3/8'')		14 (9/16'')					49/64''	
996139	M10 (3/8'')			16 (5/8'')	D		19/32''		15/16''	7/8''
996140		M12 (15/32'')	W 3/8''	17 (21/32'')					1''	
996141	M12 (15/32'')			18 (23/32'')			5/8''		1-1/32''	
996142		M14 (9/16'')	W 7/16''	19 (3/4'')			21/32''		1-1/16''	

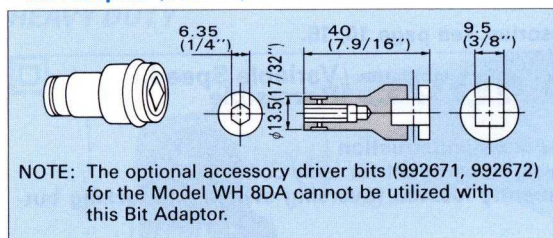
■ Extension Bar (996143) for WH 8D



■ Universal Joint (996147) for WH 8D



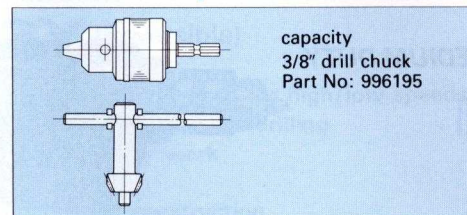
■ Bit Adaptor (996144) for WH 8D



■ Phillips Bits for WH 8DA1

Part No.	Size	Overall Length
992671	No. 2	2"
992672	No. 3	

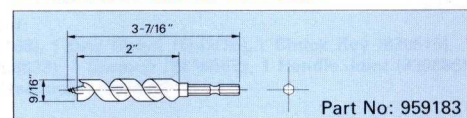
■ Drill Chuck Adaptor Set for WH 8DA1



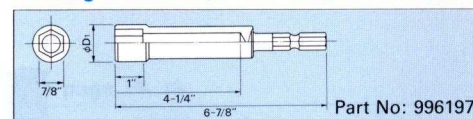
■ Hexagon Sockets for WH 8DA1

Part No.	Part Name	B
996177	5 mm Hex Socket	8 (5/16)
985329	6 mm Hex Socket	10 (3/8)
996178	5/16" Hex Socket	12 (15/32)
996179	8 mm Hex Socket	13 (1/2)
996180	10 mm Hex Socket (small type)	14 (9/16)
996181	10 mm Hex Socket	16 (5/8)
996182	10 mm Hex Socket	17 (21/32)

■ Wood Drill Bit for WH 8DA1



■ Hexagon Socket (w 1/2" bolt) for WH 8DA1



■ Hexagon Sockets for WH 10D

Shape: B	Shape: C	Shape: D	Part No. (Socket Ass'y)	H (mm)	Shape	Bolt				Dimensions (in.)	
						High Tension	ISO (Normal)	ISO (Small)	Inch	L	L ₁
Shape: B	Shape: C	Shape: D	873632	12	B			M8	W 5/16"	1-9/16	5/16
			873539	13		M8	M8				11/32
			873540	14				M10			11/32
Shape: B	Shape: C	Shape: D	873536	17	C	M10	M10	M12	W 3/8"	1-1/4	5/16
			873624	19				M12	M14		11/32
			873626	21					W 1/2"		3/8
Shape: B	Shape: C	Shape: D	873627	22	D		M14			1-9/16	9/16

■ Hexagon Shank Bit Adaptor: 991476

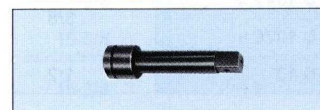
■ Accessories for CK 12D, Knife Cutter

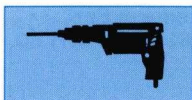
Part No.	Part Name	Package	Application
995488	Spare Blade	10 pcs.	Gypsum Board, Sheathing Board, Rubber Sheet, Carpet, etc.
959802	Blade		Plywood, Planed Board, etc.
959801	Blade (A)		Plywood, Vinyl Rain Gutter (P.V.C.), P.V.C. Pipe, etc.
959804	Blade (B)	5 pcs.	Hard wall construction materials such as Plaster Board, etc.
993824	Blade		Exclusively designed for Gypsum Board
995485	Guide (B) set	1 pc.	For straight cutting
995487	Guide (A) set		For straight, narrow cutting
995490	Attachment		For thin material

■ Universal Joint (992610) for WH 10D



■ Extension Bar (873633) for WH 10D





DRILLS

HEAVY DUTY



3/8" **D 10V1** (Variable Speed, Reversible)

- All insulation construction
- Auto stop carbon brush
- All ball and needle bearing construction
- Convenient side hook
- Industrial drill chuck

Standard Equipment:

1 Drill Chuck (950256), 1 Chuck Key (930119), 1 Hook (982593)

For accessories, see page 10, 15.

3/8" **D 10VC** (Variable Speed, Reversible)

- All insulation construction
- Lightweight, compact for easy control
- Conveniently located reversing switch and locking button

Standard Equipment:

1 Drill Chuck (950292), 1 Chuck Key (980057)

For accessories, see page 10, 15.

1/2" **D 13** (Single Speed, Reversible)

- Powerful motor
- Heavy duty industrial chuck
- Auto stop carbon brush
- 3-position auxiliary handle
- All ball bearing construction

Standard Equipment:

1 Drill Chuck (950275), 1 Chuck Key (930515), 1 Side Handle (956633)

For accessories, see page 10, 15.

MEDIUM DUTY



HEAVY DUTY



■ Specifications:

Model	Capacity (in.)		Rated Current at 115 V-AC (Amps.)	No-Load Speed (RPM)	Overall Length (in.)	Weight (lbs.)
	Steel	Wood				
D 10V1	3/8	1	3.3	0~1,100	9-7/8	3.3
D 10VC		5/8	3.2	0~1,800	9-1/2	3.0
D 13	1/2	1-5/8	6.2	550	14-7/8	7.0



DRILLS

HEAVY DUTY



1/2" D 13V (Variable Speed, Reversible)

- All insulation construction
- Auto stop carbon brush
- Ball and needle bearing construction
- Industrial drill chuck

Standard Equipment:

1 Drill Chuck (950275), 1 Chuck Key (930515), 1 Side Handle (981828)

For accessories, see page 10, 15.

HEAVY DUTY



1/2" D 13Y (Reversible)

- Right angle head can be reversed for high/low speeds, or can be removed for straight line drilling
- Designed for close quarter work
- Auto stop carbon brush
- Ball and needle bearing construction
- Heavy duty industrial chuck

Standard Equipment:

1 Wrench (949168), 1 Drill Chuck (950275), 1 Chuck Key (930515), 1 Side Handle (956633), 1 Stopper (981655Z), 1 Handle Joint (930886), 1 Angle Drill Attachment (981670)

For accessories, see page 10, 15.

HEAVY DUTY



1/2" D 13YA (2-Speed, Reversible)

- Synchromeshed gear shift mechanism
- 6-7/8" height for efficient drilling in tight spots
- Long nylon side-handle reducing recoil force
- Powerful motor with maximum output, 830 W
- Auto stop carbon brush
- Slip clutch mechanism

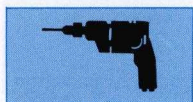
Standard Equipment:

1 Drill Chuck (950287), 1 Chuck Key (930515), 1 Bar Handle (991504), 1 Steel Case (971129)

For accessories, see page 10, 15.

■ Specifications:

Model	Capacity (in.)				Rated Current at 115 V-AC (Amps.)	No-Load Speed (RPM)		Overall Length (in.)	Weight (lbs.)	
	Steel		Wood			Self Feed				
D 13V	1/2		1-3/8		2-9/16	4.7	0~600		11-3/8	4.4
D 13Y			1-1/4			6.2	400/900 (with angle attachment)		15-5/8	8.2
D 13YA	High	Low	High	Low	7.5	High	Low	15-3/8	9.9	
	5/16	1/2	1-3/8	4-5/8		1,200	300			



SUPER DRILL

HEAVY DUTY



3/8" DW 15Y (Variable Speed, Reversible)

- Wide applications: Drilling, positive-clutch screw driving, polishing, sanding, etc. with optional accessories
- Durable clutch
- 3.3 Amp. heavy duty motor

Standard Equipment:

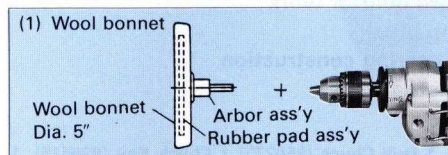
1 Phillips Bit #2 (955654), 1 Plastic Tool Case (992638), 1 Chuck Key (930119), 1 Side Handle (954672)

For accessories, see page 10, 14, 15.

Specifications:

Model	Capacity (in.)						Rated Current at 115V-AC (Amps.)	No-Load Speed (RPM)	Overall Length (in.)	Weight (lbs.)
	Drilling		Screwdriving		Tapping					
	Steel	Wood	Machine Screw	Wood Screw	Steel	Aluminum				
DW 15Y	3/8	5/8	3/16	#9×1-25/32	1/4	3/8	3.3	0~2,600	10-1/32	3.5

Accessories for DW 15Y



- (1) Wool Bonnet (Part No. 939520)—For polishing the painted surfaces of various types of lumber and metals.

Both the rubber pad ass'y and the arbor ass'y are concurrently required to employ the wool bonnet.

Rubber Pad Ass'y : No. 954321

Arbor Ass'y : No. 954322

5-1/8" Sading Disc : # 50 939015

(3 pcs/set) # 80 939016

#120 939017

- (2) Phillips Bits—For small screws (Phillips cross-head screws).

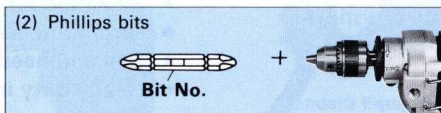
- (3) Slotted Bits—For small screws.

- (4) Drill Tip (Part No. 950536)—For hollowing out holes on steel plates, lumber or resin boards.

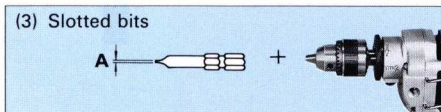
- (5) Hex Bits—For hexagon socket head screws.

- (6) Square Drill Bit (Part No. 943761)—For drilling pilot holes for wood screws.

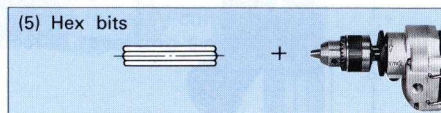
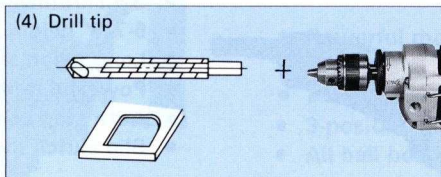
- (7) Rotating Files—For chamfering various types of lumber and resins.



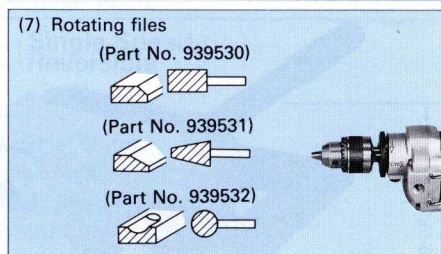
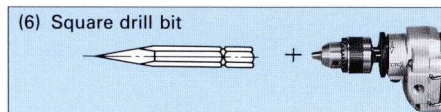
Bit No.	Overall Length	Part No.	for Screw
No. 2	2-3/4"	955654	5/32"~3/16"
No. 3	2-3/4"	955655	1/4" ~5/16"



A	Overall Length	Part No.	for Screw
.031"	2"	955658	5/32"
.039"	2"	955673	3/16"~1/4"



Part No.	for Screw
950532	5/32"
950533	3/16"
950534	1/4"
950535	5/16"



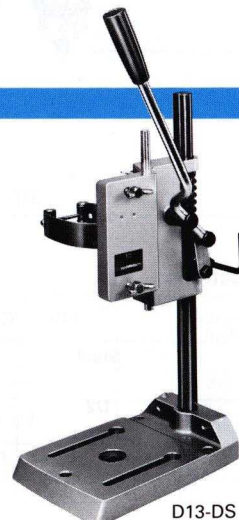
DRILL STANDS

Specifications:

Model	D10-DS	D13-DS
Capacity	Max. Drill Size 1/2"	Max. Drill Size 1/2"
Column Height	17-3/4"	17-3/4"
Column Dia.	1"	1"
Max. Feed of Drill	2-3/8"	2-3/8"
Swing	8-27/32"	9-1/16"
Working Surface	Table 6-5/16"×6-11/16"	Table 6-5/16×6-11/16"
Weight	6.2 lbs.	9.9lbs.
for Model	D 6V, DMR-13, D 13, D 13V, DVR-10, DVR-13, D 10VC	D 10V (optional acc., band ass'y No.964589 required)



D10-DS



D13-DS



HAMMER DRILLS

HEAVY DUTY



9/16" DV 14V (Variable Speed, Reversible)

- All insulation construction
- One-touch push button mechanism for changeover between "Rotation only" and "Rotation & hammer" modes
- All ball bearing construction
- Heavy duty 3/8" industrial drill chuck
- Compact and lightweight, 4.6 lbs.
- 5 Amp. heavy duty motor

Standard Equipment:

1 Chuck Key (930515), 1 Side Handle (995310), 1 Depth Stopper (971677), 1 Steel Case (982569)

For accessories, see below.

HEAVY DUTY



3/4" DV 20V2 (2 Stage variable, Reversible)

- All insulation construction
- Synchromesh mechanism for 2 stage variable speeds
- One-touch push button mechanism for changeover between "Rotation only" and "Rotation & hammer" modes
- All ball bearing construction
- Heavy duty 1/2" industrial drill chuck
- Compact and lightweight: 5.1 lbs.
- 5 Amp. heavy duty motor

Standard Equipment:

1 Chuck Key (930515), 1 Side Handle (995310), 1 Depth Stopper (971677), 1 Steel Case (982569)

For accessories, see below.

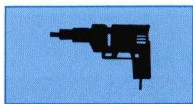
Specifications:

Model	Capacity (in.)		Rated Current at 115 V-AC (Amps.)	No-Load Speed (RPM)	Blows per Min. (BPM)	Overall Length (in.)	Weight (lbs.)
	Concrete	Steel					
DV 14V	9/16	3/8	5	0~2,600	0~38,000	12-9/32	4.6
DV 20V2	Low 3/4, High 1/2	Low 1/2, High 5/16	5	0~1,100/2,600	0~14,000/36,000	13-3/8	5.1

Accessories for Drills and Hammer Drills

	Chuck Part No.	Max. Grip Dia.	Capacity	Dimensions			Chuck Key Part No.	for Model
				D	L	Mount		
	(10VLA) 950271	3/8"	1/32"~3/8"	1-5/32"	2-3/8"	Screw 1/2-20	930119	DW 15Y
	(10TLRA) 950292			1-3/8"	2-2/5"	Screw 3/8-24	980057	D 10D, D 10DB, D 10DC, D 10DD, D 10DG, D 10VC, DRC 10, DTC 10, DV 10D, DW 10DA
	(10VLR) 950256					Screw 1/2-20	930119	D 10V1, D 10Y, DV 14V
	(13VLR) 950275	1/2"	3/64"~1/2"	1-31/32"	2-29/32"	Screw 1/2-20	930515	D 13, D 13V, D13Y, DV 20V2
	(13WLR) 950287			1-25/32"	3-3/16"	Screw 5/8-16	930515	D 13YA

Part Name	Part No.	for Model	Part Name	Part No.	for Model
Tool Case	931561	D 13Y, DMR-13, VTP-16A	Side Handle	981828	D 10V, D 10V1, D 10VC, D 10Y, D 13V
	931775	D 13YA		995310	DV 14V, DV 20V2
	980171	DVR-10, DVR-13	Handle Joint	930886	D13, D 13Y, DMR-13
	982569	D 6V, D 10V, D 10V1, D 10VC, D 10Y, DV 14V, DV 20V2		982593	D 10V, D 10VC, D 10V1
	992638	DW 15Y	Hook	983455	D 13V
Side Handle	954672	DW 15Y		981655Z	D 13, D 13Y, DMR-13
	956633	D 13, D 13Y, DMR-13	Depth Stopper	971667	DV 14V, DV 20V2



SCREW DRIVERS

HEAVY DUTY



W 6V1/W 6VA1

(Variable Speed, Reversible)

- Powerful 4.5 Amp. motor with maximum output 5/8 Hp
- Triple dust proof design on front portion
- Lightweight (3.1 lbs.) and well-balanced
- Auto stop carbon brush
- Dust proof switch
- Easy-to-adjust, positive depth adjustment
- Rubber cord for easy handling
- All ball and needle bearing constructions

Standard Equipment:

1 No.2 Plus Bit (971511Z), 1 Magnetic Bit Holder (982554Z), 1 Hook (950511), 1 Locator Ass'y (982555Z)

HEAVY DUTY



For accessories, see page 17.

TEKS SCREW DRIVER

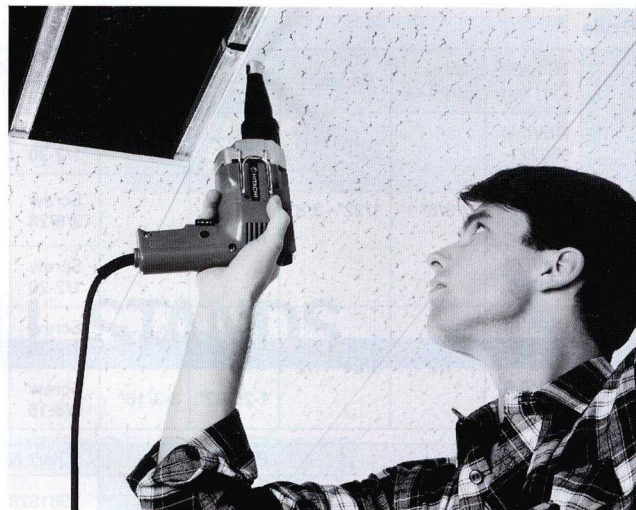
W 6VB (Variable Speed, Reversible)

- Powerful heavy duty 5 Amp. motor
- Triple dustproof construction
- Long life clutch
- Positive clutch, depth adjustment
- Auto stop carbon brush
- Ball and needle bearing construction

Standard Equipment:

1 Magnetic Hex Socket 5/16" (985322), 1 Locator 5/16" (985324), 1 Hook (950511)

For accessories, see page 17.

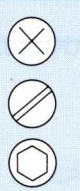



Specifications:





Model	Capacity (in.)				Bit Shank (in.)	Rated Current at 115 V-AC (Amps.)	No-Load Speed (RPM)	Overall Length (in.)	Tool Weight (lbs.)
	Hex and Teks Screw	Drywall Screw	Wood Screw	Machine Screw					
W 6VA1	3/16"	#6	#9	1/4"	1/4 Hex	4.5	0~2,600	11-1/4	3.1
W 6V1			#12			5.0	0~4,000		
W 6VB	1/4"						0~2,600	11-7/32	3.7

■ Accessories for W 5DB/W 6/W 6SA/W 6V/W 6V1/W 6VA/W 6VA1/W 6VB

● Bit Holders and Locators


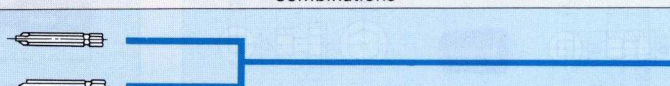


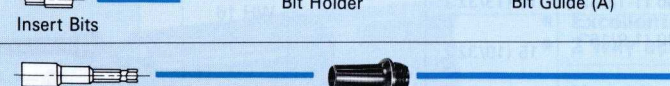
Screw Head	Combinations			
				
	Bit Holder		Applicable Locator	for Model
	Part Name	Part No.	Part No.	
	Magnetic Bit Holder	982554Z	982555Z	
	Non-Magnetic Bit Holder	982563Z	982568Z	
				W 5DB, W 6, W 6SA, W 6V, W 6V1, W 6VA, W 6VA1, W 6VB

● Hexagon Sockets and Locators





Screw Head	Combinations				
	<div></div>				
	H	Hexagon Socket		Applicable Locator	for Model
		Type	Part No.	Part No.	
	1/4"	Magnetic	985332	985325	W 6, W 6SA, W 6V, W 6V1, W 6VA, W 6VA1, W 6VB
		Non-Magnetic	985328		
	5/16"	Magnetic	985322	985324	
		Non-Magnetic	985327		
	3/8"	Magnetic	985330	985323	
		Non-Magnetic	985326		
	13/32"	Magnetic	985321		
		Non-Magnetic	985329		

● Steel Carrying Case (No. 982569Z): W 6, W 6SA, W 6V, W 6V1, W 6VA, W 6VA1, W 6VB, W 6VE, W 6VF






■ Accessories for W 6VE/W 6VF

Screw Head	Combinations			
				
				
				









● Bits

Dimension	Part No.	Screw Size
	992673	No. 1
	992674	No. 2
	992670	No. 1
	992671	No. 2
	992672	No. 3
	992679	4 mm
	992680	5 mm
	992675	4 mm
	992676	5 mm
	992677	6 mm
	992678	8 mm


● Insert Bits

Dimension	Part No.	Screw Size	H (mm)
	985333	No. 1	
	971511Z	No. 2	
	971512Z	No. 3	
	992681	M3	2.5
	985342	M4	3.0
	985343	M5	4.0
	985344	M6	5.0
	992682	M8	6.0
	985334	No. 1	
	985335	No. 2	
	985340	M4	
	985341	M5	
	985336	M4	
	985337	M5	
	985338	M6	
	985339	M8	

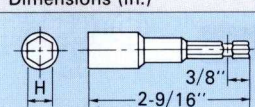
● Insert Bits

Screw Head	Insert Bit Type	Part No.
		No. 1 985333 No. 2 971511Z No. 3 971512Z
		No. 1 985334 No. 2 985335
		No. 1 985336 No. 2 985337 No. 3 985338
		No. 1 985340 No. 2 985341
		H Size 4 mm 985342 5 mm 985343 6 mm 985344

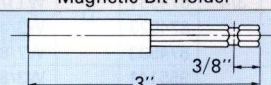
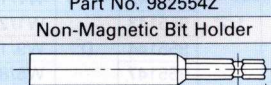
● Holster for carrying

	Port No.	for Model
	250001	W 6, W 6SA, W 6V, W 6V1, W 6VA, W 6VA1

● Hexagon Socket

Dimensions (in.)		
		
(Magnetic Type, Non-Magnetic Type)		
Magnet	H (in)	Non Magnet
985332	1/4	985328
985322	5/16	985327
985330	3/8	985326
985321	13/32	985329

● Bit Holders

Magnetic Bit Holder	
	Part No. 982554Z
Non-Magnetic Bit Holder	
	Part No. 982563Z

● Bit Guides

Part Name	Part No.	Applications
Bit Guide (A)	992690	for Bit Holder
Bit Guide (B)	992691	for Hex. Socket (H=3/8", 13/32")
	992692	for Hex. Socket (H=5/16")
	992693	for Hex. Socket (H=1/4")



IMPACT WRENCHES

SUPER DUTY



WH 16 (1/2" Square Drive)

- Powerful and fast tightening
- Industrial pin detent socket retainer
- Rocker switch for easy rotation change
- Large rubber nose for tool protection
- Well balanced for better control

Standard Equipment:
1 Hex Bar Wrench (944581)

For accessories, see below.

SUPER DUTY



WH 22 (3/4" Square Drive)

Industrial Pin and Ring Socket Retainer




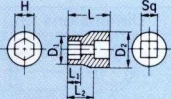
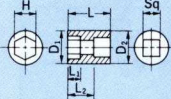
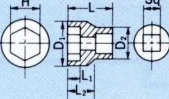
- Powerful and fast tightening
- Rocker switch for easy rotation change
- Large rubber nose for tool protection
- Steel carrying case

Standard Equipment:
1 Hex Bar Wrench (944458), 1 Hex Socket (874523), 1 Steel Case (985293), 1 Side Handle (985280)

For accessories, see below.

Accessories for Impact Wrench

Hexagon Sockets

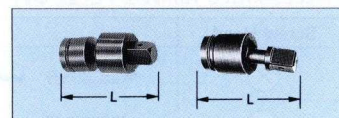
SHAPE: B			SHAPE: C			SHAPE: D					
											
											
Type	Drive Size (Sq)	Part No. (Socket Ass'y)	Shape	Bolt Size	Dimensions mm (in.)				for Model		
					H	L	L ₁	L ₂			
STANDARD	1/2"	873536	C	W3/8"	11/16"	32 (1-1/4")	8 (5/16")		WH 14 WH 16		
		873624		W7/16"	3/4"	34 (1-11/32")	9 (11/32")				
		873626	D	W1/2"	13/16"	36 (1-13/32")	10 (13/32")				
		873628		W9/16"	15/16"	40 (1-9/16")	15 (19/32")				
		873630		W5/8"	1"						
	3/4"	874527	C	W9/16"	15/16"				55 (2-5/32")	16 (5/8")	WH 22 WH 22SA
		874529	D	W5/8"	1"						
		874531		W11/16"	1-1/8"	19 (3/4")					
		874523		W3/4"	1-1/4"						
		874533		W7/8"	1-3/8"						
LONG SIZE	1/2"	955141	B	W3/8"	11/16"	52 (2-1/16")	24 (15/16")	34 (1-11/32")	WH 14 WH 16		
		955142		W7/16"	3/4"						
		955143	D	W1/2"	13/16"		40 (1-9/16")			25 (31/32")	57 (2-1/4")
		955144		W9/16"	15/16"						
		955147		W5/8"	1"						
	3/4"	955032	B	W9/16"	7/8"	60 (2-3/8")	23 (29/32")	32 (1-1/4")	WH 22 WH 22SA		
		955034	C	W5/8"	1"	85 (3-11/32")	25 (31/32")	57 (2-1/4")			
		955035	D	W11/16"	1-1/8"						
		955038		W3/4"	1-1/4"					26 (1-1/32")	72 (2-27/32")
		955039		W7/8"	1-3/8"						

• Side Handle (No. 985204): WH 16
(No. 985280): WH 22, WH 22SA

Specifications:

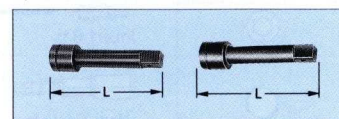
Model	Capacity (in.)	Square Drive (in.)	Tightening Torque (ft.-lbs.)	Rated Current at 115V-AC (Amps.)	Max. Output (W)	No-Load Speed (RPM)	Full-Load Impact Rate per Min.	Overall Length (in.)	Weight (lbs.)
WH 16	Bolt 15/32~5/8	1/2	217	5.0	350	1,700	2,000	10-5/8	6.2
WH 22	Bolt 9/16~15/16	3/4	434	10.0	1,100	1,600	1,800	12-29/32	11.0

Universal Joints



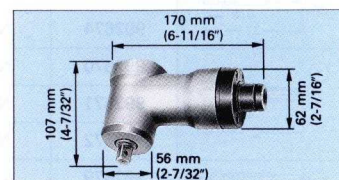
- for Model WH 16
(Part No. 955135): L=68 mm (2-11/16")
- for Model WH 22, WH 22SA
(Part No. 955088): L=106 mm (4-3/16")

Extension Bars



- for Model WH 16
(Part No. 873633): L=100 mm (3-15/16")
- for Model WH 22, WH 22SA
(Part No. 874535): L=150 mm (5-29/32")

Corner Attachment EW 14R



- for Model WH 16
(Model No. 93299001): L=170 mm (6-11/16")



ROTARY HAMMERS

HEAVY DUTY



5/8" **VR-16** (Square Shank)

- 2 way action • Rotary hammering
- Rotation only with optional chuck adaptor
- Safety clutch
- Adjustable (360°) side handle
- Grease-packed lubrication
- Less vibration and reaction to operator
- Auto stop carbon brush

Standard Equipment:

1 Plastic Case 980947, 1 Side Handle (980939), 1 Stopper (980906), 1 Dust Cup (971787)

For accessories, see page 23, 24, 25.

HEAVY DUTY



7/8" **DH 22** (Square Shank)

- 2 way action • Rotary hammering
- Rotation only with optional chuck adaptor
- Safety clutch
- Adjustable (360°) side handle
- Grease-packed lubrication
- Less vibration and reaction to operator
- Auto stop carbon brush

Standard Equipment:

1 Plastic Case (980947), 1 Side Handle Ass'y (982666), 1 Stopper (982671), 1 Dust Cup (971787), 1 Syringe (944575)

For accessories, see page 23, 24, 25.

HEAVY DUTY



7/8" **DH 22VB** (Round Shank)

- Excellent control and operability
- 2 way action • Rotary hammering
- Drilling
- Variable speed with reversing switch
- Safety clutch
- Grease-packed lubrication
- Auto stop carbon brush

Standard Equipment:

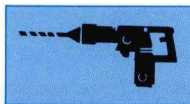
1 Side Handle (301954), 1 Stopper (971677), 1 Plastic Case (302285)

(Drill Bit is optional)

For accessories, see page 23, 24, 25.

■ Specifications:

Model	Capacity (in.)			Rated Current at 115 V-AC (Amps.)	No-Load Speed (RPM)	Blows per Min. (BPM)	Overall Length (in.)	Weight (lbs.)
	Concrete	Steel	Core Bit					
VR-16	5/8	3/8	—	3.8	900	3,500	12-1/4	6.6
DH 22	7/8	1/2	3-17/32	4.8	800	3,150	13-7/8	9.5
DH 22VB			2	4.6	0~1,000	0~4,200	12-23/32	5.1



ROTARY HAMMERS

HEAVY DUTY



(Drill Bit is optional)

1-1/2" **DH 38YE** (Splined Shank)

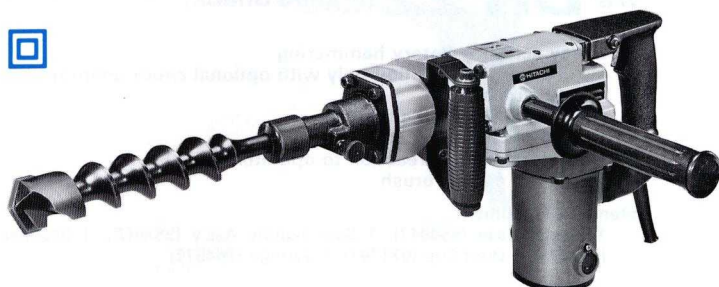
- Grease-packed lubrication
- 2 way action: Rotary hammer or hammer only
- Safety clutch
- Adjustable (360°) side handle
- Auto stop carbon brush
- Oil seal mechanism

Standard Equipment:

1 Steel Case (985389), 1 Side Handle (981870), 1 Stopper (971786), 1 Dust Cover (985373), 1 Hex Bar Wrench (944459), 1 Hammer Grease A (.07 pound Tube) (981840)

For accessories, see page 23, 24, 25.

HEAVY DUTY



(Drill Bit is optional)

2" **DH 50SB** (Splined Shank)

- Light weight, 19.2 lbs.
- Grease-packed lubrication
- Shock absorbing handle for less operator fatigue
- Safety clutch
- Auto stop carbon brush

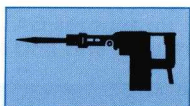
Standard Equipment:

1 Steel Case (993253), 1 D-Type Side Handle (986959), 1 Bar-Type Side Handle (956259), 1 Dust Cover (993245), 1 Hex Bar Wrench (872422), 1 Hammer Grease A (.07 pound Tube) (981840)

For accessories, see page 23, 24, 25.

■ Specifications:

Model	Capacity (in.)			Rated Current at 115 V-AC (Amps.)	No-Load Speed (RPM)	Blows per Min. (BPM)	Overall Length (in.)	Weight (lbs.)
	Concrete	Steel	Core Bit					
DH 38YE	1-1/2	—	4-1/8	8.0	300	2,800	18-5/64	17.0
DH 50SB	2	—	5	10.4	300	2,450	19-7/8	19.2



DEMOLITION HAMMERS

HEAVY DUTY



H 45SB

- Grease-packed lubrication
- Adjustable (360°) side handle
- Shock absorbing handle for less operator fatigue
- Auto stop carbon brush with safety lock

Standard Equipment:

1 Case (971129), 1 Side handle (983278Z), 1 Bull Point 12" (985383), 1 Hex Bar Wrench (944459), 1 Hammer Grease A (.07 pound Tube) (981840), 1 Dust Cover (985373)

For accessories, see page 25.

HEAVY DUTY



H 55SC

- Grease-packed lubrication
- Adjustable (360°) side handle
- Light weight, yet strong chipping power
- Anti-vibration switch handle

Standard Equipment:

1 Steel Case (302214), 1 Bull Point 12" (985430), 1 Dust Cover (985468), 1 Side Handle Ass'y (986959), 1 Hex Bar Wrench (872422), 1 Hammer Grease A (.07 pound Tube) (981840)

For accessories, see page 23, 25.

HEAVY DUTY



PH-65A

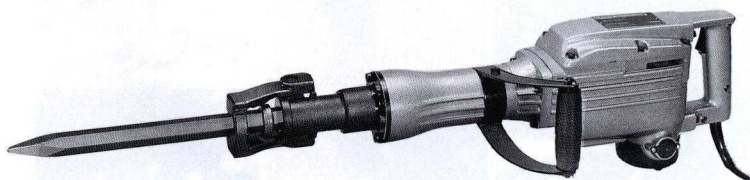
- Strong chipping power
- Automatic oiling system
- Side handle for easy control

Standard Equipment:

1 Oil Feeder (931848), 1 Bull Point 16-1/8" (944961), 2 Hex Bar Wrenches (872422, 944459), 1 Wrench (971109), 1 Side Handle Ass'y (956852), 1 Steel Case (944958)

For accessories, see page 23, 25.

HEAVY DUTY



H 65 (1-1/8" Shank)

- Use standard 1-1/8" hexagonal shank bit
- Automatic oiling system
- Side handle for easy control

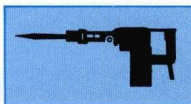
Standard Equipment:

1 Oil Feeder (931848), 1 Bull Point 20-1/2" (985230), 1 Hex Bar Wrench (872422), 1 Wrench (971109), 1 Side Handle Ass'y (956852), 1 Steel Case (996371)

For accessories, see page 25.

■ Specifications:

Model	Rated Current at 115 V-AC (Amps.)	Blows per Min. (BPM)	Overall Length (in.)	Weight (lbs.)
H 45SB	8.0	3,000	17-3/8	14.3
H 55SC	10.4	1,450	22-1/4	24.3
PH-65A	11.4	1,400	25	33.0
H 65	11.4	1,400	31	39.7



DEMOLITION HAMMERS

HEAVY DUTY



H 85 (1-1/8" Shank)

- Use standard 1-1/8" hexagonal shank bit
- Automatic oiling system
- High crushing capability
- Auto stop carbon brush
- T-shaped design for better control

* Carrying Hammer Truck (No. 207010) is available as option.

Standard Equipment:

1 Oil Feeder (931848), 2 Hex Bar Wrenches (967328, 943277), 2 Wrenches (971109, 872422), 1 Side Handle (956527)

For accessories, see page 23, 25.

HEAVY DUTY



H 90SB (1-1/8" Shank)

- Double insulated
- Shock absorbing handles for less operator fatigue
- Grease packed lubrication
- Auto stop carbon brush
- Plastic top cover to protect operator from unit heat
- Rubber cord for more endurance and flexibility

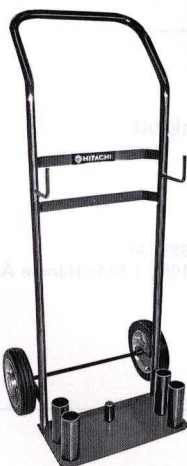
* Carrying Hammer Truck (No. 207010) is available as option.

Standard Equipment:

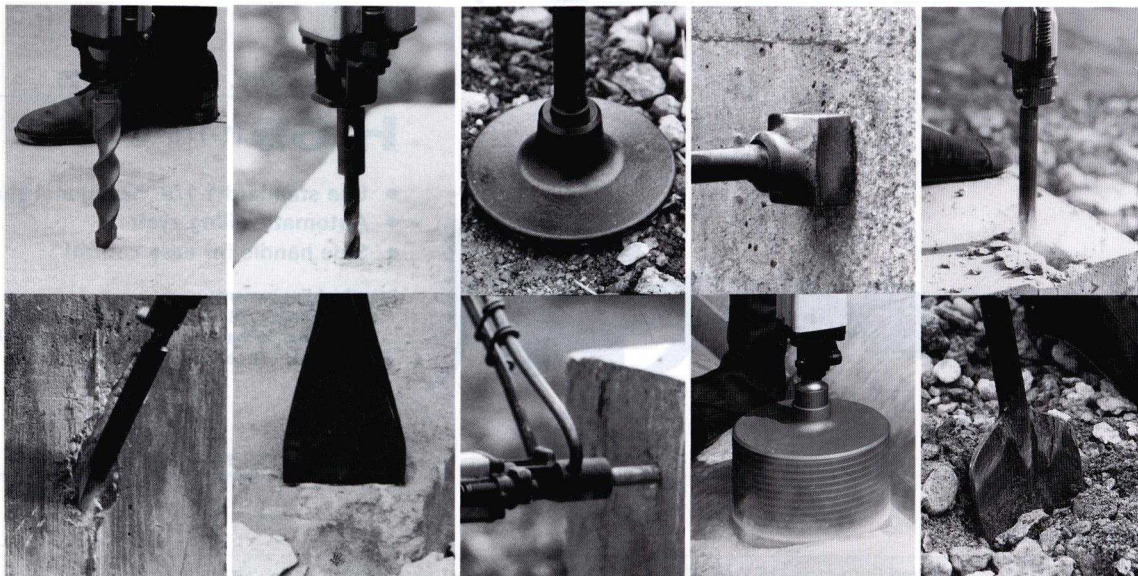
3 Hex Bar Wrenches (944458, 872422, 993740)

For accessories, see page 23, 25.

• Carrying Truck for H85, H90SB



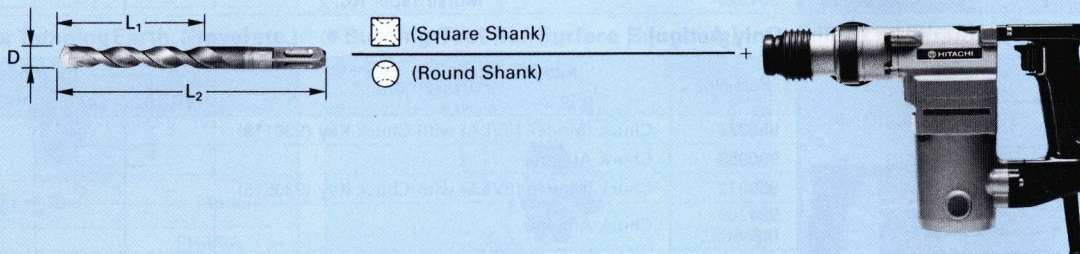
Part No. 207010



■ Specifications:

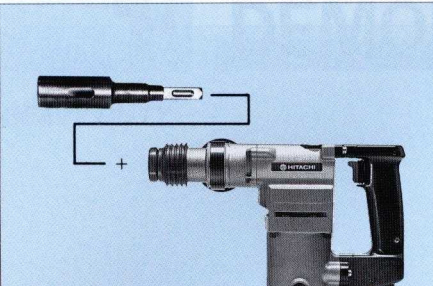
Model	Rated Current at 115 V-AC (Amps.)	Blows per Min. (BPM)	Overall Length (in.)	Weight (lbs.)
H 85	12.2	950	31-25/32	73.0
H 90SB	12.2	850	34-23/32	70.4

■ Accessories for Rotary Hammers and Demolition Hammers
 • Drill Bits (Square/Round Shank for Drilling Anchor Holes)

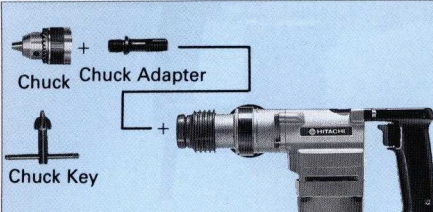


Part No.	D mm (in.)	L ₁ mm (in.)	L ₂ mm (in.)	for Model			
				VR-16	DH 22	VRT-22A	DH 22VB
				Square Shank			Round Shank
971970	5.0 (3/16")	50 (2")	100 (4")	○	○	○	—
971971	5.0 (3/16")	100 (4")	150 (6")	○	○	○	—
984050	5.5 (3/16")	50 (2")	100 (4")	○	○	○	—
971972	6.5 (1/4")	50 (2")	100 (4")	○	○	○	—
971973	6.5 (1/4")	100 (4")	150 (6")	○	○	○	—
984051	7.0 (9/32")	100 (4")	150 (6")	○	○	○	—
971974	8.0 (5/16")	50 (2")	100 (4")	○	○	○	—
971975	8.0 (5/16")	100 (4")	150 (6")	○	○	○	—
984052	9.0 (3/8")	100 (4")	150 (6")	○	○	○	—
971976	9.5 (3/8")	100 (4")	150 (6")	○	○	○	—
971979	12.0 (1/2")	100 (4")	150 (6")	○	○	○	—
971980	12.0 (1/2")	150 (6")	200 (7-7/8")	○	○	○	—
971982	12.5 (1/2")	95 (3-3/4")	150 (6")	○	○	○	—
971995	12.7 (1/2")	100 (4")	150 (6")	○	○	○	—
984053	14.0 (9/16")	100 (4")	150 (6")	○	○	○	—
984054	15.0 (5/8")	100 (4")	150 (6")	○	○	○	—
971986	16.0 (5/8")	150 (6")	200 (7-7/8")	○	○	○	—
971987	16.0 (5/8")	300 (12")	350 (14")	○	○	○	—
984055	17.0 (5/8")	150 (6")	200 (7-7/8")	—	○	○	—
971989	19.0 (3/4")	100 (4")	150 (6")	—	○	○	—
971964	19.0 (3/4")	300 (12")	350 (14")	—	○	○	—
971991	22.0 (7/8")	150 (6")	200 (7-7/8")	—	○	○	—
971992	22.0 (7/8")	300 (12")	350 (14")	—	○	○	—
301873	4.0 (5/32")	116 (4-1/2")	50 (2")	—	—	—	○
301877	5.0 (3/16")	116 (4-1/2")	50 (2")	—	—	—	○
301878		166 (6-1/2")	100 (4")	—	—	—	○
301879	5.5 (9/32")	116 (4-1/2")	50 (2")	—	—	—	○
301883	6.5 (1/4")	166 (6-1/2")	100 (4")	—	—	—	○
301884	7.0 (7/32")	166 (6-1/2")	100 (4")	—	—	—	○
301886	8.0 (5/16")	166 (6-1/2")	100 (4")	—	—	—	○
301911	8.5 (11/32")	216 (8-1/2")	150 (6")	—	—	—	○
301888	9.0 (11/32")	166 (6-1/2")	100 (4")	—	—	—	○
301893	12.0 (1/2")	170 (6-1/2")	100 (4")	—	—	—	○
301914		320 (12-1/2")	250 (10")	—	—	—	○
301895	12.7 (1/2")	170 (6-1/2")	100 (4")	—	—	—	○
301897	14.0 (9/16")	170 (6-1/2")	100 (4")	—	—	—	○
301900	15.0 (19/32")	170 (6-1/2")	100 (4")	—	—	—	○
301901	16.0 (5/8")	170 (6-1/2")	100 (4")	—	—	—	○
301919		320 (12-1/2")	250 (10")	—	—	—	○
301903	17.0 (21/32")	170 (6-1/2")	100 (4")	—	—	—	○
301906	19.0 (3/4")	170 (6-1/2")	100 (4")	—	—	—	○
301920		320 (12-1/2")	250 (10")	—	—	—	○
301907	20.0 (7/8")	170 (6-1/2")	100 (4")	—	—	—	○
301909	22.0 (7/8")	170 (6-1/2")	100 (4")	—	—	—	○


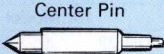
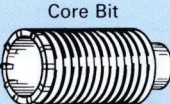



• Taper Shank Adapters (For Taper Shank Drill Bit for Drilling Anchor Holes)

	Part No.	Taper Shank Adapter	for Model			
			VR-16	DH 22	VRT-22A	DH 22VB
	971810Z	A-Taper	○	○	○	—
	971811Z	B-Taper	—	○	○	—
	971997 for 7/16"~11/16 Bit	Morse Taper No. 1	○	○	○	—
	971998 for 27/32"	Morse Taper No. 2	○	○	○	—
	301924	A-Taper	—	—	—	○
	301925	B-Taper	—	—	—	○
	301922	Morse Taper No. 1	—	—	—	○
	301923	Morse Taper No. 2	—	—	—	○

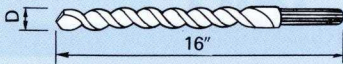
• Chucks and Chuck Adapters (for Drilling Only Action)

	Part No.	Part Name	for Model			
			VR-16	DH 22	VRT-22A	DH 22VB
	950271	Chuck (Model 10VLA) with Chuck Key (930119)	○	—	—	—
	980953	Chuck Adapter	○	○	—	—
	950272	Chuck (Model 13VLA) with Chuck Key (930515)	—	○	○	○
	984269 (980668Z)	Chuck Adapter	—	—	○	—
	301926	Chuck Adaptor	—	—	—	○

• Core Bits for Large-Dia Hole Boring


<div><div> Guide Plate</div><div> Center Pin</div><div> Core Bit</div><div> Core Bit Shank</div><div> (Square)</div><div> (Round)</div></div> <div>※ Without Guide Plate</div>											
Core Bit		Center Pin (11-1/4")	Core Bit Shank		Guide Plate	for Model					
Part No. (with Guide Plate)	D mm (in.)		Length 105 mm (4-1/8")	Length 300 mm (11-13/16")							
※982672	25 (1")	—	982682	206001 (984065)	—	DH 22 VRT-22A (Square)					
※982673	29 (1-1/8")				982686						
982674	32 (1-1/4")				982687						
982675	35 (1-3/8")				982688						
982676	38 (1-1/2")	982684	982683	206002 (984066)	982689						
982677	45 (1-3/4")				982690						
982678	50 (2")				982691						
982679	65 (2-9/16")				982692						
982680	80 (3-1/8")				982693						
982681	90 (3-1/2")				—						
※955994	25 (1")	—	9" 984029		—	DH 38YA DH 38YE DH 50SB (Spline)					
※955995	29 (1-1/8")	956009			955997						
955996	32 (1-1/4")				955999						
955998	35 (1-3/8")				956001						
956000	38 (1-1/2")	955165	9" 985379		955166						
955154	45 (1-3/4")				985388						
985380	50 (2")				955167						
955155	54 (2-1/8")				956003						
956002	64 (2-1/2")				955168						
955157	79 (3-1/8")				956005						
956004	94 (3-5/8")				955169						
955159	105 (4-1/8")				—						
987013	125 (5")				—						
※982672	25 (1")	—	301955	301957	—	DH 22VB (Round)					
※982673	29 (1-1/8")						982684				
982674	32 (1-1/4")										
982675	35 (1-3/8")										
982676	38 (1-1/2")	982685	301956	301958							
982677	45 (1-3/4")										
982678	50 (2")	—	—	—	—	—					

• Drill Bits (Spline Shank)



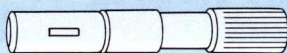
Part No.	D	for Model
985374	1/2"	DH 38YA DH 38YE DH 50SB
985375	1"	
985376	1-1/2"	
993230	2"	

• Rammers (for Tamping Earth, Gravel etc.)



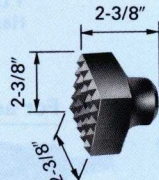
Part No.	D	for Model
944965	7-7/8"	PH-65A
207001		H 65, H 85, H 90SB

• Taper Shank Adapters (Spline shank)
(for Taper Shank Mounting)



Taper Shank Adapter		for Model
Part No.	Morse Taper	
985377	A-Taper	DH 38YA DH 38YE DH 50SB
985378	B-Taper	

• Bushing Tool (for Surface Roughing)



Part No. 955183 for PH-65A

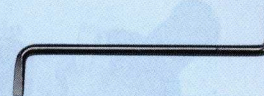
• Cotter (for Taper Shank Removal)

Part No. 944477
for DH 22, DH 38YA, DH 38YE, VRT-22A



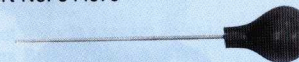
• Drift Key (for Anchor Removal)

Part No. 944574



• Syringe (for Chip Removal)

Part No. 944575



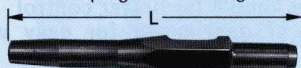
for DH 38YA, DH 38YE, DH 50SB, H 45SB

• Turning Handle (Rotating Handle)

Part No. 944573



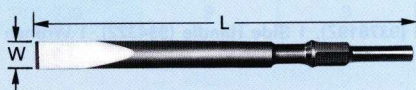
• Shank for Tamping and Bushing Tool



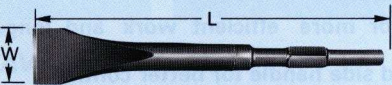
• Bull Point (for Crushing Chipping)



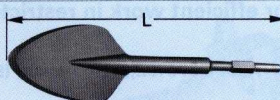
• Cold Chisel (for Groove Digging and Edging)



• Cutter (for Asphalt Crushing)



• Scoop



Part No.	L×W	for Model
944966	10"	PH-65A
207002	14"	H 65, H 85, H 90SB
985383	12"	DH 38YA, DH 38YE, DH 50SB, H 45SB
944961	16-1/8"	PH-65A
996372	16-1/8"	H 65
985398	18"	DH 50SB
985230	20-1/2"	H 65, H 85, H 90SB
985430	11-3/4"	H 55SC
985431	15-3/4"	H 55SC
985381	12"×1"	DH 38YA, DH 38YE, DH 50SB, H 45SB
944962	16-1/8"×1-1/2"	PH-65A
996373	16-1/8"×1-1/2"	H 65
985382	18"×1"	DH 38YA, DH 38YE, DH 50SB, H 45SB
985231	20-1/2"×1"	H 65, H 85, H 90SB
985432	11-3/4"×1"	H 55SC
985433	15-3/4"×1"	H 55SC
985384	12"×1-1/2"	DH 38YA, DH 38YE, DH 50SB, H 45SB
985385	12"×2"	DH 38YA, DH 38YE, DH 50SB, H 45SB
944964	16-1/8"×2-15/16"	PH-65A
996374	16-1/8"×2-15/16"	H 65
985232	20-1/2"×3"	H 65, H 85, H 90SB
985434	17-3/4"×2-3/8"	H 55SC
985386	18"	DH 38YA, DH 38YE, DH 50SB, H 45SB
944967	22"	PH-65A
985233	20"	H 65, H 85, H 90SB

• Grease and Oil for Rotary Hammers and Demolition Hammers

Part No.	Part Name	Description	for Model
980927	Hammer Grease	1-pound can	DH 22, DH 38YA, DH 38YE, DH 50SB, H 45SB, H 90SB, VR-16
981840		0.1-pound tube	
980927		1.1-pound can	
971813	Hammer Oil	34-OZ can	VRT-22A
971817		0.7-OZ plastic bottle	
955009	Hammer Oil	34-OZ can	H 65, H 85, PH-65A
931848		7-OZ plastic bottle	

Recommended Oil for VRT-22A: Shell Omala #65, Shell Rotella #40

Recommended Oil for PH-65A, H 65, H 85: Shell Omala #150, Shell Rotella #40



DISC GRINDERS

HEAVY DUTY



4" G 10SA

- High power motor
- Spindle lock
- Safety clutch for over load protection
- Ball and needle bearing construction
- Auto stop carbon brush

Standard Equipment:

1 Depressed Center Wheel A 36 (939640Z), 1 Wrench (936522), 1 Side Handle (956633)

For accessories, see page 29.

HEAVY DUTY



NEW!



4" G 10SD1

- Powerful motor for more efficient work and longer service life
- 15° forward-angled side handle for better control
- Spindle lock on head of gear cover for easy wheel change
- Low-head gear cover for efficient work in restricted area

Standard Equipment:

1 Depressed Center Wheel A36 (939640Z), 1 Wrench (936522), 1 Side Handle (302142)

For accessories, see page 29.

HEAVY DUTY



4-1/2" G 12SA

- Power motor: 1.5 Hp
- Durable glass-filled nylon body
- Spindle lock
- All bearing construction

Standard Equipment:

1 Resinoid Wheel A36 (937819Z), 1 Side Handle (994322), 1 Wrench Ass'y (938332Z)

For accessories, see page 29.

HEAVY DUTY



NEW!



4-1/2" G 12S1

- Powerful motor for more efficient work and longer service life
- 15° forward-angled side handle for better control
- Spindle lock on head of gear cover for easy wheel change
- Low-head gear cover for efficient work in restricted area

Standard Equipment:

1 Depressed Center Wheel A36 (937819Z), 1 Wrench (938332Z), 1 Side Handle (302142)

For accessories, see page 29.

Specifications:

Model	Capacity (in.)			Rated Current at 115V-AC/DC (Amps.)	Max. Output (Hp)	No-Load Speed (RPM)	Spindle Thread (in.)	Overall Length (in.)	Weight (lbs.)
	Depressed Center Wheel Dia.	Sanding Disc Dia.	Hole Dia.						
G 10SA	4	4	5/8	5.0	0.8	11,000	M10×1.5	10-3/4	4.6
G 10SD1					1.0			10-1/4	3.5
G 12SA	4-1/2	4-1/2	7/8	6.9	1.5	10,000	U5/8-11	11-11/32	4.6
G 12S1				5.0	1.0	11,000		10-1/4	3.5



DISC GRINDERS

SUPER DUTY



7" PDL-180A

- Powerful motor: 3.2 Hp
- Spindle lock
- Auto stop carbon brush
- Tough nylon handle for vibration absorption
- Ball bearing construction

Standard Equipment:

1 Depressed Center Wheel A 24 (937933Z), 1 Side Handle (937981Z), 1 Wrench (937913Z), 1 Hex Bar Wrench (872422)

For accessories, see page 29.

SUPER DUTY



9" PDL-230

- Powerful motor: 3.2 Hp
- Spindle lock
- Auto stop carbon brush
- Durable nylon handle absorbs vibration
- Ball bearing construction

Standard Equipment:

1 Depressed Center Wheel A 24 (937910Z), 1 Side Handle (937981Z), 1 Wrench (937913Z), 1 Hex Bar Wrench (872422)

For accessories, see page 29.

Specifications:

Model	Capacity (in.)			Rated Current at 115V-AC/DC (Amps.)	Max. Output (Hp)	No-Load Speed (RPM)	Spindle Thread (in.)	Overall Length (in.)	Weight (lbs.)
	Depressed Center Wheel Dia. (in.)	Sanding Disc Dia. (in.)	Hole Dia. (in.)						
PDL-180A	7	7	7/8	15	3.2	6,000	U5/8-11	18-1/4	14.3
PDL-230	9	9							15.0

WARNING FOR DISC GRINDERS:

Use appropriate RPM wheels. Tool speed must not exceed speed printed on wheel. Use recommended guard. Failure to do so may result in serious injury or death from exploding wheels. Refer to A.N.S.I. B7.1 and instruction manual. Always wear eye protection that meets A.N.S.I. 287.1-1979 requirements.



DIE GRINDER

HEAVY DUTY



(Wheel is not included)

1" GP 2

- Powerful and high speed motor
- Easy-to-hold long nose bracket for accurate control
- All ball bearing construction
- Auto stop carbon brush

Standard Equipment:

2 Wrenches (15/32" 936553, 21/32" 936638)
1 Collet Chuck 1/4" (932666Z)

Specifications:

Model	Capacity (in.)		Rated Current at 115 V-AC (Amps.)	Maximum Output (Hp)	No-Load Speed (RPM)	Overall Length (in.)	Weight (lbs.)
	Max. Wheel Dia.	Chuck Size					
GP 2	1	1/4	4.7	0.8	25,000	14-3/8	3.9



DISC SANDER POLISHERS

HEAVY DUTY



7" SAT-180 (2-Speed)

- Lightweight and compact
- 2-speed for sanding and polishing
- Powerful motor: 1.3 Hp
- Ball bearing construction

Standard Equipment:

1 Side Handle (956633), 1 Wrench (937914), 1 Wrench Ass'y (937913Z), 5 Types (1 each) of Sanding Discs (CC24), (CC30), (CC50), (CC80), (CC120), 1 Wool Bonnet (949103), 1 Rubber Pad (953255)

For accessories, see page 29.

HEAVY DUTY



7" SP 18V (Variable Speed)

- Powerful motor: 1.9 Hp
- Constant speed control for optimum sanding/polishing efficiency
- Over-load protection device
- Spindle Lock
- All ball bearing construction

Standard Equipment:

1 Side Handle (956633), 1 Wrench (937913Z), 1 Sanding Disc (CC50) (939047), 1 Rubber Pad (953255)

For accessories, see page 29.

HEAVY DUTY



7" SP 18T (2-Speed)

- Lightweight: 6.4 lbs.
- 2-speed for sanding and polishing
- Powerful motor: 1.1 Hp
- Auto stop carbon brush
- Ball bearing and needle bearing construction

Standard Equipment:


1 Side Handle (981828), 1 Rubber Pad (953255), 1 Wrench (937914), 1 Wrench Ass'y (937913Z), 1 Wool Bonnet (949103)

For accessories, see page 29.

Specifications:

Model	Capacity (in.)	Rated Current at 115 V-AC (Amps.)	Max. Output (Hp)	No-Load Speed (RPM)	Spindle Thread (in.)	Overall Length (in.)	Weight (lbs.)
SAT-180	7	6.9	1.3	3,400/1,900	U5/8-11	15-9/16	6.4
SP 18V		9.2	1.9	1,400~3,400		18-1/2	6.6
SP 18T		6.0	1.1	2,700/1,800		9-1/4	6.4


■ Tool Case for G 10SA (937828Z)
 ■ Accessories for Disc Grinders

<div>● Depressed Center Wheels</div> 	Dimensions			Grit	Wheels per package	Max. operating RPM	Part No.
	Dia.	Thickness	Hold Dia.				
	4"	5/32"	5/8"	A 36	20	14,000	939640Z
	4-1/2"	1/4"	7/8"		10	13,300	937819Z
	5"	1/4"	7/8"			12,300	938300Z
	7"	1/4"	7/8"	A 24		8,500	937933Z
	9"	1/4"	7/8"			6,500	937910Z

CAUTION: Use appropriate RPM wheels. Tool speed must not exceed speed rated on wheel.
 Use recommended guard. Always wear eye protection.


■ Accessories for Sanding

● Rubber Pads


	Capacity	Rubber Pad			Washer Nut Part No.	for Model
		Dia.	Spindle Thread	Part No.		
	4"	3-3/4"	M10×1.5 mm	936558Z	935513	G 10, G 10SA, G 10SD1
	4-1/2"	4-11/32"	5/8"-11	938317	938318	G 12S1, G 12SA, PDM-115, PDM-125
	7"	6-11/16"	5/8"-11	953255	953254P	PDL-180A, PDL-230, SP 18V *SAG-180, SAT-180, SP 18T

When using 4" disc grinders, it is necessary to use washer with Part No. 936548.
 * Not listed

● Sanding Discs

					
10 pcs./pkg.					
Grit	4"	4-1/2"	7"	Grit	7"
CC	*14	939570			
	16	939000	938000Z	16	939180
	20	939001	938001Z	20	
	24	939002	938002Z	24	
	30	939003	938003Z	30	
	36	939004	938004Z	36	
	40	939005	938005Z	40	
	50	939007	938006Z	50	
	60	939008	938007Z	60	939187
	80	939009	938008Z	80	939188
	100	939010	938009Z	100	939189
	120	939011	938010Z	120	939190

● Wool Bonnet

		
1 pc./pkg.		
External Dia.	Part No.	for Model
7"	949103	SAT-180, SP 18T, SP 18V
7"	201001	

AA: Optimum for sanding ordinary steel, special steel, stainless steel, hardwood, bamboo, and so on.

CC: Optimum for polishing surfaces of cast iron, nonferrous metals, slate, concrete, bricks and so on, or painted surfaces.

* Mark: Thermosetting type.



ORBITAL SANDERS

HEAVY DUTY



4-3/8" **SV 12SA**

- Dustproof construction
- Low vibration mechanism for smooth sanding
- 4" square magic pad and 5" round pad available as optional accessories
- All ball bearing construction

Standard Equipment:
1 Sanding Paper AA100 (987151)

For accessories, see page 31.

HEAVY DUTY



4-1/2" **SV 12SE**

- Single speed
- Lever-action paper clamp, quick and firm
- Direct motor drive sanding

Standard Equipment:
1 Sanding Paper (AA80 300056)

For accessories, see page 31.

HEAVY DUTY



4-1/2" **SV 12SD**

- Single speed
- Excellent "Through the Base" dust extraction
- Lever-action paper clamp, quick and firm
- Direct motor drive sanding

Standard Equipment:
1 Dust Bag, 1 Sanding paper (AA80 300047)

For accessories, see page 31.

■ Specifications:

Model	Pad Size	Rated Current at 115 V-AC (Amps.)	No-Load Speed		Overall Length	Weight (lbs.)
			(Spindle)	(Orbit)		
SV 12SA	4-3/8"×4", option 5" round	1.7	12,000/min.	24,000/min.	4-9/16"	2.4
SV 12SE	4-1/2"×9"	2.8	10,000/min.	20,000/min.	11-13/16"	5.7
SV 12SD						6.2



ORBITAL SANDERS

HEAVY DUTY



4-1/2" **SV 12V** (Variable Speed)

- Variable speed with electronic control
- Excellent "Through the Base" dust extraction
- Lever-action paper clamp, quick and firm
- Direct motor drive sanding

Standard Equipment:

1 Dust Bag (300177), 1 Sanding Paper (AA80 300047)

For accessories, see below.

Specifications:

Model	Pad Size	Rated Current at 115 V-AC (Amps.)	No-Load Speed		Overall Length	Weight (lbs.)
			(Spindle)	(Orbit)		
SV 12V	4-1/2"×9"	2.8	4,000~10,000/min.	8,000~20,000/min.	11-13/16"	6.2

Optional Accessories

• Pads for SV 12SA

Shapes	Type	Part No.	Dimensions	Types of sanding paper
	Felt Pad	987170	110×100 mm (4-3/8"×4")	Clip type
	Magic Pad (Rubber)	987176		Pressure sensitive type (non-stick type)
	Round Pad (Rubber)	987177	125 mm (5")	Self adhesive type (stick type)

• Sanding Papers for SV 12SA

Grit No.	Part No.	Applicable Pads	Per pkg.
AA 60	987150	Felt Pad 4-3/8"×4"	10 pcs.
AA 100	987151		
AA 150	987152		
AA 60	987159	Magic Pad 4-3/8"×4"	
AA 100	987160		
AA 150	987161		
AA 60	987153	Round Pad 5"	
AA 80	987154		
AA 100	987155		
AA 120	987156		
AA 150	987157		
AA 180	987158		

• Sanding Papers for SO-110A/SV 12SD/ SV 12SE/SV 12V

Grit No.	Part No.	Per pkg.
AA 40	300054	10
AA 60	300055	
AA 80	300056	
AA 100	300057	
AA 120	300058	
AA 150	300059	
AA 180	300060	
AA 220	300061	
AA 240	300062	

• Punch Plate for SV 12SD/SV 12V

Part No.
301953

• Pad for SV 12SD/SV 12V

Shape	Part No.	Applicable Pads
 4-1/2"×9"	300081	Magic Pad with 10 extracting channels (Pressure sensitive type)

• Pad for SV 12SE

Shape	Part No.	Applicable Pads
 4-1/2"×9"	300083	Magic Pad

• Dust Collection Duct

Part No.	for Model
300082	SV 12SD SV 12V

• Accessories for SO-110A

	Dust Cover 953364
	Dust Bag 953365

• Sanding Papers for SV 12V/SV 12SD

Shape	Grit	Part No.	Applicable Pad	Shape	Grit	Part No.	Applicable Pad
 10 pcs/pkg.	AA 40	300045	Rubber Pad with extracting channels	 10 pcs/pkg.	AA 40	300063	Magic Pad with extracting channels
	AA 60	300046			AA 60	300064	
	AA 80	300047			AA 80	300065	
	AA 100	300048			AA 100	300066	
	AA 120	300049			AA 120	300067	
	AA 150	300050			AA 150	300068	
	AA 180	300051			AA 180	300069	
	AA 220	300052			AA 220	300070	
	AA 240	300053			AA 240	300071	

• Sanding Papers for SV 12SD/SV 12SE/SV 12V

Shape	Grit	Part No.	Applicable Pad
 10 pcs/pkg.	AA 40	300072	Magic Pad
	AA 60	300073	
	AA 80	300074	
	AA 100	300075	
	AA 120	300076	
	AA 150	300077	
	AA 180	300078	
	AA 220	300079	
	AA 240	300080	



BELT SANDERS

HEAVY DUTY



3"×21" **SB-75** (2-Speed)

- 2 speed—Ideal speed selection
- Clean sanding with highly efficient dust bag
- Handy and compact type
- Suitable for flush sanding
- Front stabilizer grip
- Lever control for easy belt change

Standard Equipment:

Sanding Belt (WA 80, 939733), 1 Dust Bag (953078)

For accessories, see page 33.

3"×24" **SB 8T** (2-Speed)

- Ideal 2-speed for better job
- Clean sanding with highly efficient dust bag
- Handy and compact type
- Suitable for flush sanding
- Front stabilizer grip
- Lever control for easy belt change

Standard Equipment: 1 Dust Bag (953078)

For accessories, see page 33.

4"×24" **SB 10T** (2-Speed)

- Lightweight for easy handling
- Ideal 2-speed for better job
- Suitable for flush sanding
- Lever control for easy belt change

Standard Equipment:

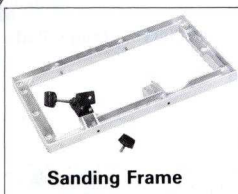
1 Dust Bag (953078), 1 Sanding Belt (WA80, 995552)

For accessories, see page 33.

HEAVY DUTY



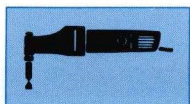
HEAVY DUTY



Sanding Frame

■ Specifications:

Model	Belt Size (in.)	Rated Current at 115 V-AC (Amps.)	No-Load Speed (ft/min.)		Overall Length (in.)	Weight (lbs.)
			High	Low		
SB-75	3×21	8.7	1,475	1,180	12-15/16	9.7
SB 8T	3×24				14-9/16	
SB 10T	4×24		1,380	1,150	15	11.7



NIBBLER/HAND SHEAR

HEAVY DUTY



16Ga. **CN 16** Nibbler

- Powerful and high speed motor
- Compact and lightweight design for one-hand operation
- Suitable for bend-up sheet metal cutting
- 3 directional die holder for straight, right and left cutting
- Downward cutting for higher visibility and clean work
- All ball and needle bearing construction

Standard Equipment:

1 Punch (998030), 1 Die (998031), 1 Die Holder (998038), 2 Hex Bar Wrenches (3/32" 943277, 5/32" 944458)

HEAVY DUTY



16Ga. **CE 16** Hand Shear

- Compact and lightweight design for one-hand operation
- Scrap guide for hand protection
- 8 cutting edges on each blade
- One-touch, quick-off switch
- All ball and needle bearing construction

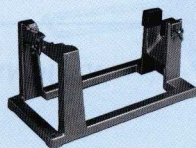
Standard Equipment:

1 Moving Blade (998000), 1 Stationary Blade (998001), 1 Hex Bar Wrench (3/32", 943277), 1 Thickness Gauge (955525)

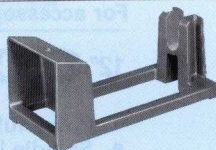
Specifications:

Model	Capacity (in.)				Rated Current at 115 V-AC (Amps.)	No-Load Strokes Per Min. (SPM)	Full-Load Strokes Per Min. (SPM)	Overall Length (in.)	Weight (lbs.)
	Steel	Stainless	Aluminum	Min. Cutting Radius					
CN16	16 ga.	18 ga.	13 ga.	1-9/16	3.7	2,000	1,450	10-5/32	3.7
CE16				1		4,200	2,900		4.0

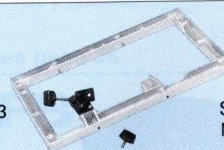
Accessories for Belt Sanders



SB-75S for SB-75, SB10T, No. 3499102
Belt Sander Stand

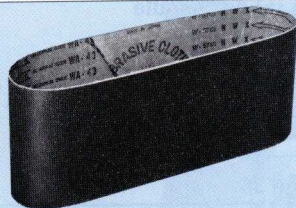


SB-110S No. 3499103
Belt Sander Stand



Sanding Frame for SB10T
No. 995574

Accessories for Belt Sanders SB-75, SB-110, SB 8T, SB 8TA and SB 10T



- AA ... Optimum for sanding ordinary steel, special steel, stainless steel, hardwood, bamboo, and so on.
- CC ... Optimum for sanding surfaces of cast iron, non-ferrous metals, slate, concrete, bricks and so on, or painted surfaces.
- WA ... Optimum for sanding wood, particularly hardwood.

Belts Per Package, 10 pcs.

Size	3"×21" (SB-75)			4"×24" (SB 10T, SB 110)			4-1/4"×24-3/8" (SB-110)			3"×24" (SB 8T/SB 8TA)
Grain	AA	CC	WA	AA	CC	WA	AA	CC	WA	WA
Grit No.	Part No.	Part No.	Part No.	Part No.	Part No.	Part No.	Part No.	Part No.	Part No.	Part No.
30	939739	939750					953088	953099		
40	939740	939751	939731	995558	995566	995550	953089	953100	953080	984790
60	939741	939752	939732	995559	995567	995551	953090	953101	953081	984791
80	939742	939753	939733	995560	995568	995552	953091	953102	953082	984792
100	939743	939754	939734	995561	995569	995553	953092	953103	953083	984793
120	939744	939755	939735	995562	995570	995554	953093	953104	953084	984794
150	939745	939756	939736	995563	995571	995555	953094	953105	953085	984795
180	939746	939757	939737	995564	995572	995556	953095	953106	953086	Assort Set 203007
240	939747	939758	939738	995565	995573	995557	953096	953107	953087	
320	939748	939759					953097	953108		
400	939749	939760					953098	953109		WA40 1 pc, WA60 1 pc, WA80 2 pcs, WA150 1 pc.



CUT-OFF MACHINES

HEAVY DUTY



14" CC 14

- Powerful motor: 3.5 Hp
- 0~45° bevel cut
- Spindle lock
- Effective spark guard
- Auto stop carbon brush
- Ball bearing construction
- Max. vise width 9-9/32"

Standard Equipment:

1 Spanner (951211), 1 Cut-off Wheel (964975Z)

For accessories, see page 36.

16" CC 16SA

- 16" Version of CC 14

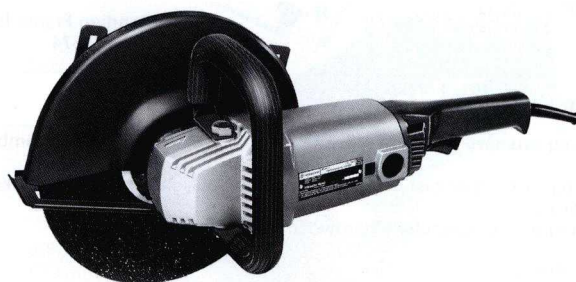
Standard Equipment:

1 Spanner (951211), 1 Cut-off Wheel (951911Z)

HEAVY DUTY



SUPER DUTY



For accessories, see page 36.

12" CC 12Y

- Powerful motor: 3.5 Hp
- Spindle lock
- Sparks directed away from operator
- Auto stop carbon brush
- Easy-to grip/non-slip rubber handle
- All ball bearing construction

Standard Equipment:

1 Metal Cutting Wheel 12" thickness 7/64" (985608), 1 Wrench (985607), 1 Masonry Cutting Wheel 12" thickness 7/64" (985610), 1 Hex Bar Wrench (872422)

For accessories, see page 36.

WARNING FOR CUT-OFF MACHINES:

Use only reinforced cut-off wheels with a maximum safe RPM rating equal to or higher than no load speed. Consult and conform to A.N.S.I. B7.1 for safe operation. Note Models CC 14, CC 16SA and CC 12Y are for use with abrasive cut-off wheels only.

■ Specifications:

Model	Capacity				Rated Current at 115 V-AC/DC (Amps.)	Max. Output (Hp)	No-Load Speed (RPM)	Arbor (in.)	Overall Dimensions (in.) (L×H×W)	Weight (lbs.)
	Wheel Dia. (in.)	Arbor (in.)	Max. Depth of Cut (in.)	Vise Swivels up to						
CC 14	14	1	4-1/2	45°	15	3.5	3,700	1	19-31/64×23-55/64×12-29/32	37.0
CC 16SA	16		5-1/2				3,500		23-57/64×27-13/64×13-11/64	49.6
CC 12Y	12		4 (w/o base)	—			5,000		23-7/16×9-3/16×9-19/32	13.2



MITER SAWS

HEAVY DUTY



HEAVY DUTY

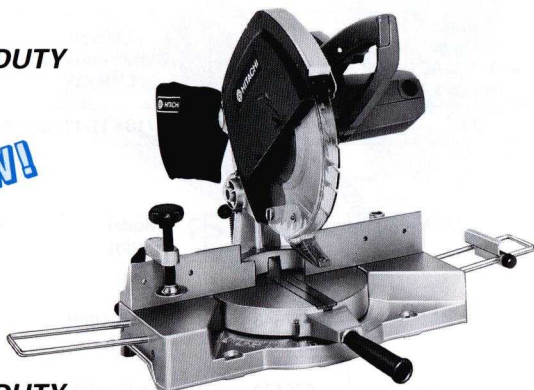


Deluxe Model

HEAVY DUTY



NEW!



HEAVY DUTY



10" C 10FB

- Clean miter cutting up to 45° right or left on 2×4 wood piece
- Positive stop at 0°, 45° right and left
- Electric brake for rapid stopping of blade
- Spindle lock

Standard Equipment:

- 1 Box Wrench (988102), 1 Combination Blade 10"
- 1 Vise Board Ass'y (976836)

For accessories, see page 36.

10" C 10FA

- Clean miter cutting up to 45° right or left
- Spindle lock
- Positive stop at 0°, 22.5°, 30° and 45° both right and left
- Electric brake

Standard Equipment:

- 1 Combination Blade 10" (974640Z), 1 Dust Bag (974580), 1 Wrench (974581), 1 Spanner (974604), 1 Extension Guide Ass'y (974661Z), 1 Vise Ass'y (974662)

For accessories, see page 36.

12" C 12FA

- Precision machined, aluminum diecast turn table for high accuracy miter cutting
- Positive stop at 0°, 15°, 22.5°, 30° and 45° right and left

Standard Equipment:

- 1 Combination Blade 12" (301722), 1 Dust Bag (976478), 1 Wrench 21/32" (988102), 1 Wrench 13/32" (968658), 1 Vise Ass'y (301962), 1 Extension Guide Ass'y (998866)

For accessories, see page 36.

15" C 15FB

- Clean miter cutting up to 57° right or left
- Positive stop at 0°, 15°, 22.5°, 30° and 45° both right and left
- Double-hinge stability for greater precision
- Electric brake
- Spindle lock

Standard Equipment:

- 1 Combination Blade 15" (974651Z), 1 Dust Bag (974580), 1 Spanner (988102), 1 Extension Guide Ass'y (974562×2, 974561, 949404), 1 Vise Ass'y (988897)

For accessories, see page 36.

WARNING FOR MITER SAWS/SLIDE COMPOUND SAW: They are not designed for use with abrasive cut-off wheels. Always wear safety glasses with miter saws. Refer to A.N.S.I. B7.1 and instruction manual.

■ Specifications:

Model	Blade Dia. (in.)	Capacity Max. Cutting (in.)		Rated Current at 115 V-AC (Amps.)	Max. Output (Hp)	No-Load Speed (RPM)	Arbor (in.)	Weight (lbs.)
		90°	45°					
C 10FB	10	3-1/8×4-5/16	3-1/8×3-1/8	12.0	2.2	4,100	5/8	48
C 10FA						4,500		44
C 12FA	12	3-3/4×5-5/8	3-3/4×3-5/16	15.0	2.7	4,000	1	40
C 15FB	15	4-3/4×7-9/32	4-3/4×5-15/32			3,400		55



SLIDE COMPOUND SAW

SUPER DUTY



2 positive stops for bevel 30°, 33.9°
11 positive stops both right & left: 15°, 22.5°, 31.6°, 35.3°, 45° and 0°
(* mark for crown molding cut)



8-1/2" C 8FB

- Powerful motor: 1.5 Hp.
- Miter cut, bevel cut and compound-miter cut
- Cuts up to 2-9/16"×12" through smooth slide
- Electric brake for rapid stopping of blade
- Spindle lock for easy blade change
- 24 teeth carbide tipped saw for wood, standard
- Lightweight 37.4 lbs and motor head locks down for easy carrying

Standard Equipment:

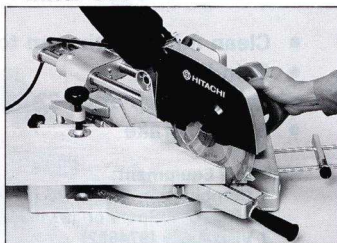
1 Tip Saw Blade 8-1/2" (998840), 1 Box Wrench (968658), Dust Bag (998845)

For accessories, see below.

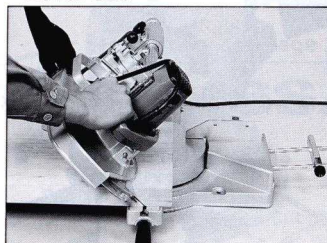
• Cross Cut



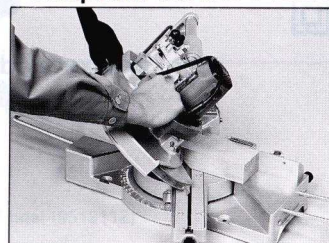
• Miter Cut



• Bevel Cut



• Compound Cut (Miter 45°+Bevel 45°)



■ Specifications:

Model	Capacity (in.)				Rated Current at 115 V-AC (Amps.)	No-Load Speed (PPM)	Arbor (in.)	Overall Dimensions (in) L×H×W	Weight (lbs.)
	Cross cut 90°	Miter 45°	Bevel 45°	Compound 45°×45°					
C 8FB	2-9/16×12	2-9/16×8-5/8	1-25/32×12	1-25/32×8×21/32	9.5	4,900	5/8	20-11/16×17-17/32×38	37.4

■ Accessories for High-speed Cut-off Machines & Miter Saws

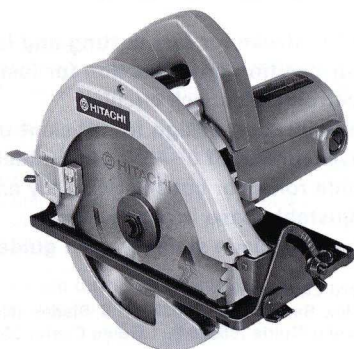
* 5/8" arbor with adaptor collar, No. 976451

Description	Blade Dia. (in.)	Arbor	# Teeth	Type	Unit/Pkg.	Part No.	Model	Shape
Versatile Combination Saw Blade	8-1/2	5/8	22	Wood	1 pc.	998865	C 8FB	
	10	5/8	60			974640Z		
	10	1*	60			974641Z		
	10	5/8	40			977548	C 10FA, C 10FB	
	15	1	80			974651Z	C 15FB	
Cross Cut Tipped Saw Blade for Smoother cross-grain cutting	10	5/8	60	Wood	1 pc.	976472	C 10FA, C 10FB	
Rugged Carbide-Tipped Saw Blade for Aluminum and Hardwood Materials	8-1/2	5/8	60	Aluminum	1 pc.	998864	C 8FB	Triple Chip
	8-1/2	5/8	60	Wood		998862		Alt. Top Bevel
	8-1/2	5/8	36	Wood		998860		
	8-1/2	5/8	24	Wood		998840		
	10	5/8	24	Wood		977671	C 10FA, C 10FB	Square Top
	10	5/8	70	Wood		976473		Alt. Top Bevel
	10	5/8	60	Wood		977673		Alt. Top Bevel
	10	1*	70	Wood/ Aluminum		974642		Square Top
	12	1	30	Wood		302276	C 12FA	
			90			301721		
			80			988922	C 15FB	
			110			211000		
	15	1	100	Aluminum		988923	Alt. Top Bevel	
			110	Aluminum		211001		
Description	Blade Dia.	Arbor	Thickness	Type	Unit/Pkg.	Part No.	Model	
Abrasive Cut-off Wheel	12	1	2.8 mm	Steel	10 pcs.	985608	CC 12Y	
	12	1		Masonry	10 pcs.	985610	CC 12Y	
	12	1		Steel	5 pcs.	964949Z	CC 12	
	14	1		Steel	5 pcs.	964975Z	CC 14	
	16	1		Steel	5 pcs.	951911Z	CC 16SA	
Description	Part No.	Model	Description	Part No.	Model			
Dust Bag	998845	C 8FB	Extension Ass'y	974661Z	C 10FB, C 10FA			
	974580	C 10FB, C 10FA, C 15FB		998866	C 8FB, C 12FA			
	976478	C 12FA		974561, 974562, 949404	C 15FB			
Vice Ass'y	998981	C 8FB	Adaptor for duct hose	998857	C 8FB			
	974662	C 10FB, C 10FA, C15FB						
	301962	C 12FA						



CIRCULAR SAWS

MEDIUM DUTY



7-1/4" **C 7SA**

- Professional powerful motor and cutting capacity
- Compact and lightweight
- Spindle lock
- Safety switch lock for additional operator safety
- High quality bearing

Standard Equipment:

1 Combination Blade 7-1/4" (990090), 1 Wrench (961524)

SUPER DUTY



For accessories, see page 39.

9-1/4" **PSM-9**

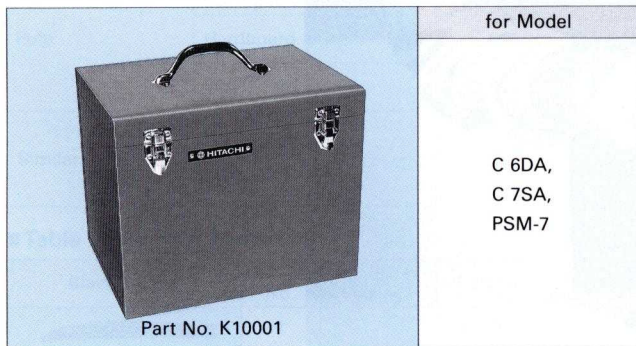
- Spindle lock
- Auto stop carbon brush
- Safety switch lock
- Heavy duty aluminum shoe for strength and rigidity
- Safety clutch to protect gear against overload damage
- Cutting depth adjustment by parallel movement of base
- Front handle for easy operation
- Ball and needle bearing construction

Standard Equipment:

1 Saw Blade 9-1/4" (961847), 1 Wing Bolt (949397),
1 Guide (958405Z), 1 Double Ended Wrench (949168)

For accessories, see page 39.

• Steel Case for Circular Saws



for Model

C 6DA,
C 7SA,
PSM-7

Part No. K10001

■ Specifications:

Model	Capacity			Rated Current at 115 V-AC (Amps.)	Max. Output (Hp)	No-Load Speed (RPM)	Arbor Size (in.)	Overall Length (in.)	Weight (lbs.)
	Blade Dia. (in.)	Max. Cutting (in.)							
		90°	45°						
C 7SA	7-1/4	2-1/2	1-5/8	10.0	1.9	5,500	5/8	11-3/32	8.8
PSM-9	9-1/4	3-3/8	2-1/2	14.6	3.5	5,000		11-1/2	15.4



JIG SAWS

HEAVY DUTY



2-9/16" **CJ 65V** (Variable Speed)

- Full 1" stroke for fast cutting and longer blade life
- Four-position orbital action for fast, smooth operation
- Electronic feedback circuits
- Anti-vibration design for efficient operation
- Bevel cutting of 0~45° right and left
- Guide roller for cutting accuracy and longer blade life
- Adjustable base (front to rear)
- Excellent blade stability with guide roller

Standard Equipment:

1 Hex Bar Wrench (943277), 3 Blades (No.11, 15, 22 one each), 1 Circular Guide (963384), 1 Guide Center (940092), 1 Guide (957563)

For accessories, see page 39.

HEAVY DUTY



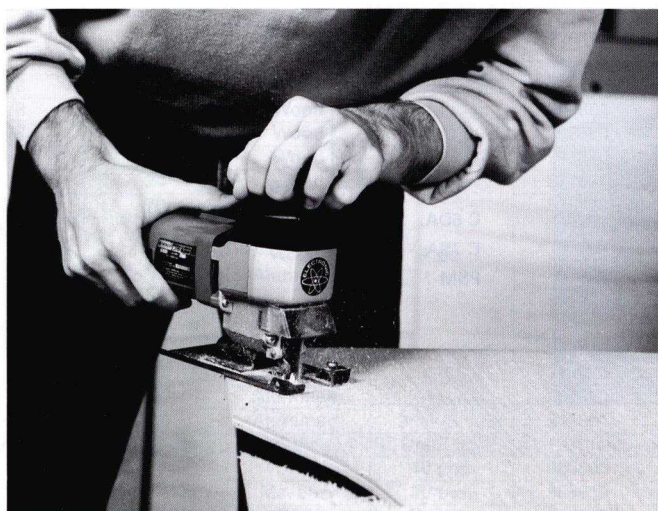
2-9/16" **CJ 65VA** (Variable Speed)

- Full 1" stroke for fast cutting and longer blade life
- 4-position orbital cutting action for fast and smooth cutting
- Max. cutting capacity of wood: 2-9/16"
- Bevel cutting 0~45° right and left
- Guide roller for cutting accuracy and longer blade life
- Adjustable base (front to rear)
- Auto stop carbon brush
- Excellent blade stability with guide roller

Standard Equipment:

3 Blades (No.12, No.16, No.21), 1 Centering Guide (940092), 1 Rectilinear Guide (957563), 1 Hex Bar Wrench (943277), 1 Circular Guide (963384), 1 Chip Cover (963376)









For accessories, see page 39.



■ Specifications:

Model	Capacity (in.)			Rated Current at 115 V-AC (Amps.)	No-Load Speed (Min.)	Stroke Length (in.)	Overall Length (in.)	Weight (lbs.)
	Wood	Mild Steel Plate	Min. Cutting Radius					
CJ 65V	2-1/2	1/4	1	3.7	700~3,200	1	9-3/4	5.5
CJ 65VA							11-3/16	5.3







■ Accessories for Circular Saws

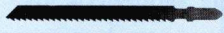
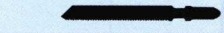
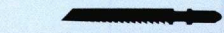



Type		Blade Dia. (in.)	Arbor (in.)	Teeth	Part No.
	Combination Saw Blade The versatile one For both rip and cross-cut work	4-3/8	3/4	50	939320
		6-1/4	5/8	50	986427
		7-1/4		—	990090
		7-1/2		20	961962 (old 958061P)
		8-1/4		24	961860 (old 958079P)
		9-1/4		30	961847 (old 500363)
	Rip Saw Blade For fastest cut with grain large teeth for better chip clearance and less binding	4-3/8	3/4	36	939325
	Planer Saw Blade For smoothest act cross grain or rip	4-3/8		100	939322
	Plastic Cutting Saw Blade For fine act-off work: cutting celotex or similar soft wallboard; thinner plastic materials			120	939323
		6-1/4	5/8	130	986428
	Aluminum Cutting Saw Blade For cutting thin aluminum	4-3/8	3/4	70	939324
	Carbide Tipped Saw Blades Carbid tipped for longer blade life. Fast smooth cuts in a wide range of wood/construction materials	4-3/8		5/8	20
		6-1/4	28		991039
		7-1/2	60		986426
		8-1/4	16		958112Z
		9-1/4	16		958082Z
	Metal Cutting Saw Blade For cutting copper or other soft metals	4-3/8	3/4	110	939332
	Groove Cutting Saw Blade For making grooves in wood			Groove Width 1/8"	939326

■ Application of Jig Saw Blades

Material to be cut	Material	Thickness of material (in.)													
		Blade	No. 1	No. 2	No. 3	No. 4	No. 5	No. 6	No. 11	No. 12	No. 15	No. 16	No. 21	No. 22	
Lumber	General lumber		3/4~ 2-3/8	Below 3/4					25/32~ 2-3/8	Below 25/32			13/32~ 2-9/16	3/16~ 1-9/16	
	Plywood				3/32~ 1-3/16				3/16~ 1-3/16	Below 7/16			3/16~ 1-3/16	1/8~ 25/32	
Iron plate	Mild steel plate						1/8~ 1/4	Below 1/8			1/8~ 1/4	Below 1/8			
Nonferrous metal	Aluminum, Copper, Brass						1/8~ 1/2	Below 1/8			1/8~ 1/4	Below 1/8			
Plastics	Phenol resin, melamin resin, etc.					Below 1/4	1/4~ 3/4	Below 1/4			3/16~ 25/32	Below 1/4	3/16~ 19/32	Below 1/4	
	Vinyl chloride, acryl resin, etc.			1/8~ 1-3/16		1/8~ 1-3/16		Below 1/8	3/16~ 1-3/16	Below 13/32	3/16~ 25/32	Below 3/16	3/16~ 1-3/16	1/8~ 1-9/16	
	Foamed polyethylene, foamed styrol			1/8~ 2-3/8					13/32~ 2-9/16	1/8~ 1-3/16	3/16~ 1-9/16	1/8~ 1-3/16	13/32~ 2-9/16	1/8~ 1-9/16	
Pulp	Cardboard, Corrugated, paper			1/8~ 2-3/8					13/32~ 2-9/16	1/8~ 1-3/16			7/16~ 2-9/16	1/8~ 1-9/16	
	Hardboard						1/8~ 1-3/16	Below 1/8			1/8~ 1-3/16	Below 1/4			
	Fiberboard							Below 1/4				Below 1/4			
Similar material	Hard rubber			1/8~ 2-3/8											
	Slate						Below 3/8								

■ Table of Jig Saw Blades

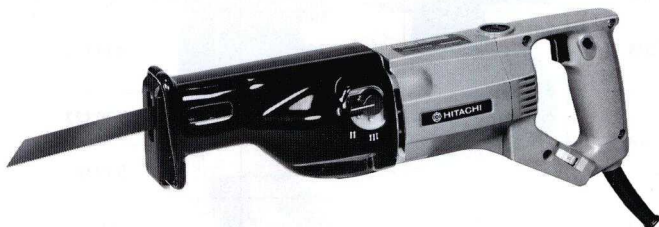
Blade Shape	Blade No.	Blade Per Package	Part No.	for Model
	1	10 pcs.	962101Z	JHV-60
	2		962102Z	
	3		962103Z	
	4		962104Z	
	5		962105Z	
	6		962106Z	
Grid Saw Blade for glass fiber resin plates	A	1 pc.	939597	
Grid Saw Blade for glass fiber resin plates	B	1 pc.	939598	
Blade for fine cut	—	2 pcs.	939599	

Blade Shape	Blade No.	Blade Per Package	Part No.	for Model
	11	10 pcs.	963620Z	CJ 65VA CJ 65V
	12		963621Z	
	15		963622Z	
	16		963623Z	
	21		963624Z	
	22		963625Z	
for stainless steel .06~1"	95	5 pcs.	950484	
for stainless steel .02~.06"	96		950485	



RECIPROCATING SAWS

HEAVY DUTY



CR 10V (Variable Speed)

- 3-position orbital cutting action for fast, smooth cutting
- Electronic control of output power for highest efficiency
- Auto stop carbon brush
- Adjustable base
- Powerful motor and full (1") stroke
- Dustproof construction

Standard Equipment:

3 Blades (No. 1, No. 3, No. 5), 1 Wrench (944458), 1 Steel Case (K10002)

For accessories, see below.

HEAVY DUTY



CR 12V (Variable Speed)

- Electronic control of output power for best efficiency
- Auto stop carbon brush
- Adjustable base
- Powerful motor and full (1-3/16") stroke
- Dustproof construction
- Variable speed control with pre-set dial

Standard Equipment:

1 Blade (No. 1), 1 Wrench (944458), 1 Steel Case (K10002)

For accessories, see below.

Specifications:

Model	Capacity (in.)			Rated Current at 115 V-AC (Amps.)	No-Load Speed (Min.)	Stroke (in.)	Overall Length (in.)	Weight (lbs.)
	Pipe	Steel Plate	Wood					
CR 10V	4-17/32	1/2	3-15/16	6.5	700~2,200	1	16-3/16	7.9
CR 12V					800~2,500	1-3/16	16-5/8	7.0

• Cutting Guide for large dia. pipe (3" to 6")



• Cutting Guide for small dia. pipe (up to 2")



• Steel Case for CR 10V, CR 12V



Table of Reciprocating Saw Blades

Blade Shape	Blade No.	Blades Per Package	Part No.	Application (in.)
	1	5 pcs.	983601Z	For cutting mild-steel pipes, dia. up to 4-17/32 (1/8~1/4 thickness)
	2		983602Z	For cutting mild-steel pipes, dia. up to 1-9/16 (1/8~1/4 thickness)
	3		983603Z	For cutting mild-steel pipes, dia. up to 1-9/16 (up to 5/32 thickness)
	4		983604Z	For rough cutting wood (1-3/32~3-15/16 thickness)
	5		983605Z	For rough cutting wood (up to 1-31/32 thickness)
	6		983606Z	For curved-cutting metal (up to 5/32 thickness)
	7		983607Z	For curved-cutting wood (up to 1-3/16 thickness)
	8		983608Z	For cutting vinyl pipes (max. dia. 4-17/32)
	9	3 pcs.	996427	For cutting mild-steel pipes, dia. 3~7"×thickness 3/32~1/4", with cut-off guide (996420)



PLANERS

HEAVY DUTY



3-1/4" **F-20A**

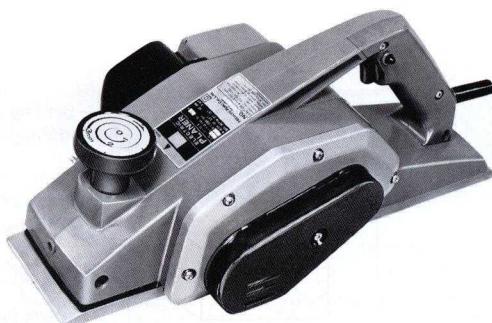
- Simple blade adjustment
- All ball bearing construction
- Center V-groove on base sole for beveling cut

Standard Equipment:

1 Box Wrench (940543), 1 Blade Setting Gauge (958736Z), 1 Guide (958842Z), Blades (958728)

For accessories, see page 42.

HEAVY DUTY



3-5/8" **F-30A**

- Ideal for surface, edge and bevel planning
- 0~45° bevel guide
- Steel carrying case
- All ball bearing construction

Standard Equipment:

1 Box Wrench (940543), 1 Blade Setting Gauge (958890), 1 Bevel Guide (958886), 1 Steel Case (958892Z), Blades (958867)

For accessories, see page 42.

HEAVY DUTY



6-5/8" **P 50**

- Long rear shoe for more stability
- All ball bearing construction
- Bevel guide permits 0~45° adjustment
- Wooden carrying case
- Auto stop carbon brush

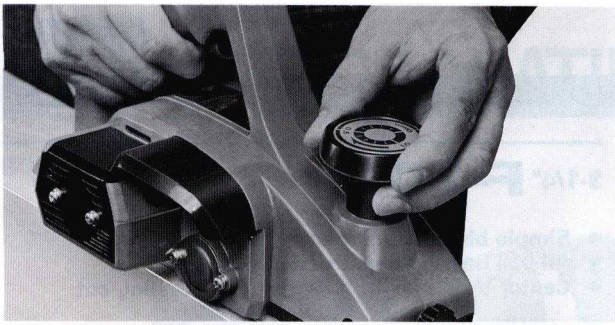
Standard Equipment:

1 Box Wrench (940543), 1 Wooden Box, 1 Blade Setting Gauge (958736), Blades (963450Z), 1 Bevel Guide (963480Z)

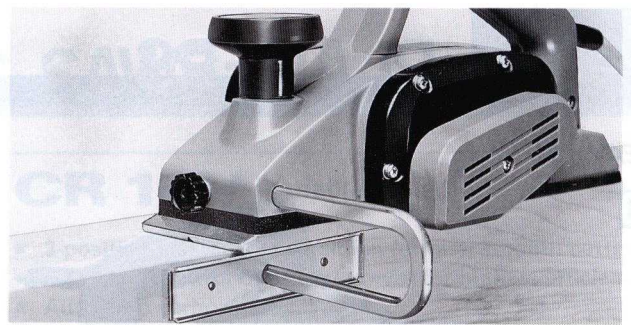
For accessories, see page 42.

■ Specifications:

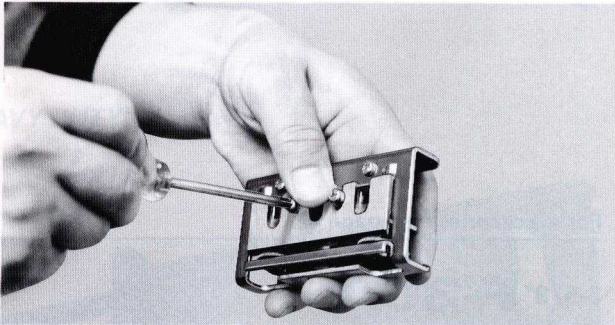
Model	Capacity (in.)		Rated Current at 115 V-AC (Amps.)	No-Load Speed (RPM)	Overall Length (in.)	Weight (lbs.)
	Cutting Width	Max. Cutting Depth				
F-20A	3-1/4	1/32	3.4	15,000	11-11/16	5.5
F-30A	3-5/8	1/8	8.3	12,000	15-3/8	8.8
P 50	6-5/8	3/32	11.0	14,000	20-15/32	19.8



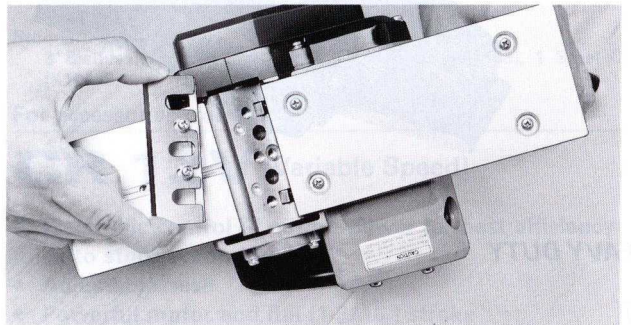
- Stepless adjustment of cutter depth from 0 up possible by manipulating the adjustment knob.



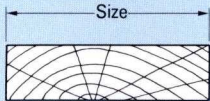
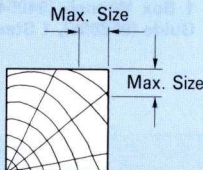
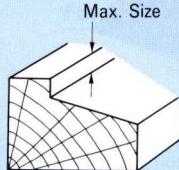
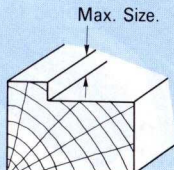
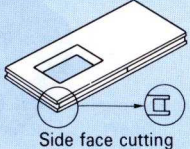
- Accurate planing with a guide assembly.




- Easy and quick blade adjustment with exclusively designed blade setting gauge.



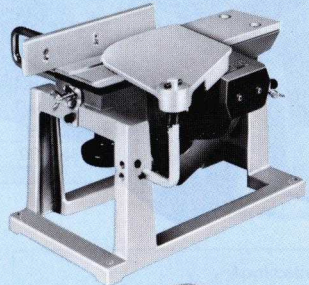
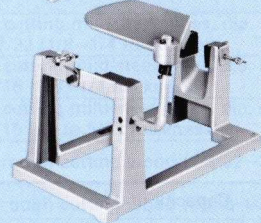
■ Planing Various Wooden Planks and Panels

	Planing	Chamfering	Tapering	Rabetting	Side planing of flush door
					
F-20A	3-1/4"	1/2"	1/4"	1/4"	•
F-30A	3-5/8"	3/8"	1"	1"	•
P 50	6-5/8"	—	1/8"	1/8"	•

■ Planer Accessories

Description	Size	Part No.		for Model
Planer Blades (2 per pkg.) 	3-1/4"	High Speed	Tungsten Carbide	F-20A
		958728	200003	
	3-5/8"	958867	Double Edge	F-30A
			958893Z	
	6-5/8"	963450Z	—	P 50
Description		Part No.	for Model	
Blade Setting Gauge		958736	F-20A	
		958890	F-30A	
		958736	P 50	
Guide Ruler		958842Z	F-20A	

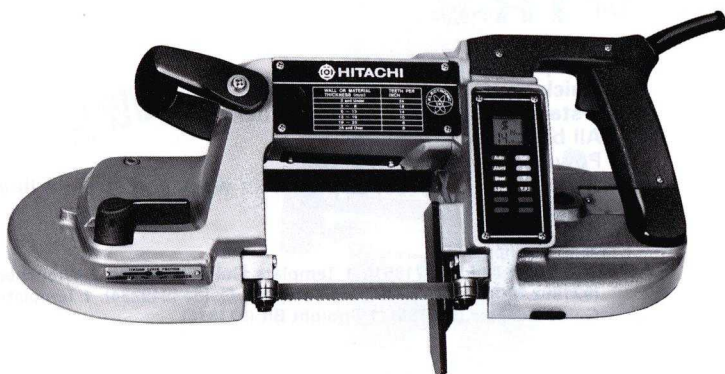
Description		Part No.	for Model
Bevel Guide		—	F-20A
		958886	F-30A
		963480Z	P 50
Tool Box	Steel	958892Z	F-30A
	Wooden	963488Z	P 50

Planer Stand : F 20-BS		Part No.	for Model
 		F20-BS	F-20A



PORTABLE BAND SAW

HEAVY DUTY



4" CB 10V (Variable Speed)

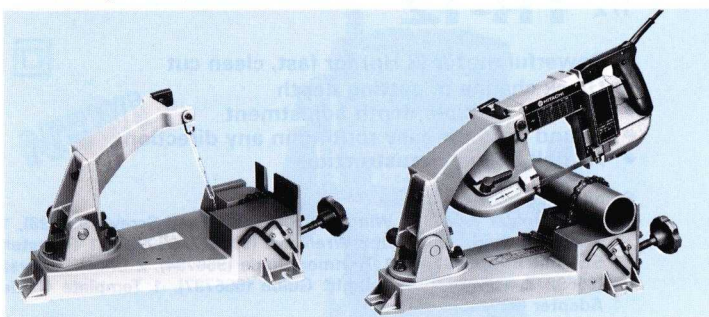
- Variable speed controlled by microcomputer
- Cutting line (blade) clearly visible
- Microprocessor with soft start
- No oil leakage and minimal maintenance
- Auto stop carbon brush
- All ball bearing guide system for longer blade life and better cutting accuracy

Standard Equipment:
1 Band Saw Blade No.2 (Alloy Blade 18 TPI)

For accessories, see below.

Optional Accessories

- Stationary Stand (CB10-ST) for CB 10V



- Blade Size=44-7/8×1/2×.02"

Band saw blade No.	Material and number of teeth/inch (TPI)	Part No.	Q'ty per Pkg.
1	Alloy steel	24 994550	10
2		18 994551	
3		14 994552	
4		10 994553	
5		8 994554	
6		6 994555	
7	High speed steel	18 994556	3
8		14 994557	
9		10 994558	
10		8 994559	

Specifications:

Model	Capacity (in.)		Rated Current at 115 V-AC (Amps.)	No-Load Speed (ft/min.)	Overall Length (in.)	Weight (lbs.)
	Round	Rectangular				
CB 10V	4	4-59/64×4	3.5	80~250	19-5/8	15.9



TRIMMER

HEAVY DUTY



1/4" TR-6

- Compact and lightweight
- High efficiency with powerful motor
- Base angle adjustment (0~45°)
- Quick change of cutting depth
- Trimming depth easily controlled
- All ball bearing construction

Standard Equipment:
2 Wrenches (938660, 960101), 1 Straight Guide Ass'y (960104), 1 Hex Bar Wrench (944458)

For accessories, see page 44, 45.

Specifications:

Model	Collet Chuck (in.)	Rated Current at 115 V-AC (Amps.)	No-Load Speed (RPM)	Overall Height (in.)	Weight (lbs.)
TR-6	1/4	4	30,000	8-21/32	3.5



ROUTERS

HEAVY DUTY



1/4" TR-8

- Compact and lightweight
- Quick change of cutting depth
- 3-stage, multiple depth adjustment
- All ball bearing construction
- Powerfull motor: 1-1/2 Hp
- Squared-off side for close quarter work and straight line guiding

Standard Equipment:

1 Straight Guide (971851), 1 Template Guide (956790), 2 Wrenches (971862, 949168), 2 Screws for Template Guide (949234), 1 Template Guide Adapter (956756), 1 Straight Bit (971878)

For accessories, see page 44, 45.

SUPER DUTY



1/2" TR-12

- Powerful motor (3 Hp) for fast, clean cut
- Quick change of cutting depth
- 3-stage, multiple depth adjustment
- Round base for easy routing in any direction
- All ball bearing construction

Standard Equipment:

1 Bar Holder (956792), Wing Bolt (949394), Feed Screw (956793), 1 Template Guide (956790), 2 Wrenches (956922, 956923), 1 Tungsten Straight Bit (956817Z), 1 Trimmer Guide (956794), 2 Chuck Sleeves (956927Z, 956928Z), 1 Straight Guide (956797), 1 Template Guide Adapter (956756)

Chuck Sleeve	Part No.
1/4"	956927Z
3/8"	996928Z

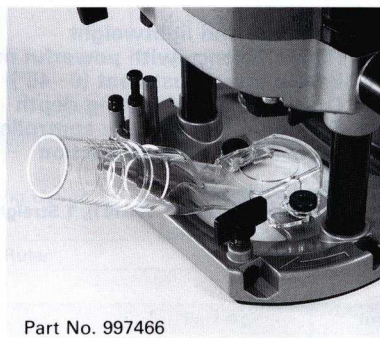
For accessories, see page 44, 45.

• Steel Case for TR-12



Part No. K70000

• Dust Collector Set for TR-12, M 12V, M 12SA

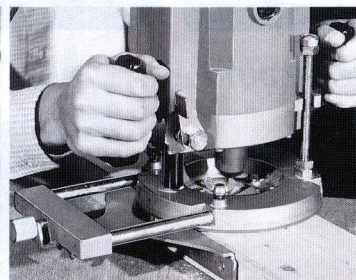


Part No. 997466

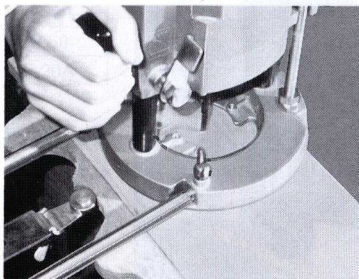
• Three Stages of Cutting Depth Easily Selectable



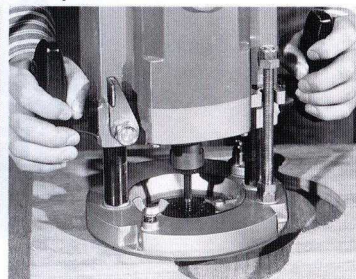
• Straight Guide



• Trimmer Guide Ass'y



• Template Guide



■ Specifications:

Model	Collet Chuck (in.)	Rated Current at 115 V-AC (Amps.)	No-Load Speed (RPM)	Overall Height (in.)	Weight (lbs.)
TR-8	1/4	6.9	24,000	9	6.4
TR-12	1/2	12.2	22,000	10-5/8	11.0



ROUTERS

SUPER DUTY



NEW!



SUPER DUTY



NEW!



1/2" **M 12V** (Variable Speed)

- Full wave electronic speed control for optimum cutting
- Soft start speed control
- Powerful motor (3-1/4 HP) for fast, clean cut
- Cutting depth adjustment mechanism for easy, fast and accurate 3-step adjustment
- Cooling air-flow keeps clear view of bit and cutting line
- Spindle lock

Standard Equipment:

1 Straight Guide (956797), 1 Bar Holder (956792), 1 Feed Screw (956793), 1 Wing Bolt (949394Z), 2 Wing Bolts (301806), 1 Template Guide (956790), 1 Wrench (956923), 1 Straight Bit (956817Z), 1 Chuck Sleeve (956927Z), 1 Template Guide Adaptor (956756), 2 Lock Springs (947859)

For accessories, see page 44, 45.

1/2" **M 12SA**

- Powerful motor (3 HP) for fast, clean cut
- Cutting depth adjustment mechanism for easy, fast and accurate 3-step adjustment
- Cooling air-flow keeps clear view of bit and cutting line
- Spindle lock

Standard Equipment:

1 Straight Guide (956797), 1 Bar Holder (956792), 1 Feed Screw (956793), 1 Wing Bolt (949394Z), 2 Wing Bolts (301806), 1 Template Guide (956790), 1 Wrench (956923), 1 Straight Bit (956817Z), 1 Chuck Sleeve (956927Z), 1 Template Guide Adaptor (956756), 2 Lock Springs (947859)

For accessories, see page 44, 45.

■ Specifications:

Model	Collet Chuck (in.)	Rated Current at 115 V-AC (Amps.)	No-Load Speed (RPM)	Overall Height (in.)	Weight (lbs.)
M 12V	1/2	15.0	8,000~20,000	11-13/16	11.7
M 12SA		14.6	22,000	11-1/32	11.5

■ Accessories for Routers & Trimmer

• Template Guides

	Part No.	A	B	C	for Model
	956790	21/32"	11/16"	3/16"	TR-8, TR-12, M 12V, M 12SA
	956932Z	23/32"	25/32"		
	956933Z	1"	1-1/16"		
	956934Z	1-1/8"	1-3/16"		

■ Application Examples

• Combination Panel Bit (two flutes)	• Combination Panel Bit (one flute)	• Straight Bit (971878 for TR-8) (956817Z for TR-12)	• Round-over Bit	• "V" Grooving Bit	• Dovetail Bit



TABLE SAW



12" C 12Y

- Powerful commutator motor
- Cast-iron rip fence for highly accurate rip cut and enhanced safety
- Hand brake for rapid stopping of blade
- Overload motor protection device for added safety
- 3-7/8" inner diameter dust collecting duct
- Max. rip capacity to 35" at right side by shifting guide bars
- Sealed, lubricated-for-life ball bearings

(Not a Dual Voltage machine.
Please specify Motor Voltage when ordering)

■ Specifications:

Power Source			Single phase	
			115 V-AC	230 V-AC
Capacity	Blade Dia.		12"	12"
	Max. Cutting Depth	90°	4-1/8"	4-1/8"
		45°	2-7/8"	2-7/8"
	Max. Rip	Right Side	25"	25"
		Left Side	15-1/2"	15-1/2"
Table in front of Blade at Max. Cut			10-1/4"	10-1/4"
Arbor Size			1"	1"
Rated Current			15A	7.5A
Max. Output			2,313W	2,835W
No-Load Speed			3,800 rpm	3,800 rpm
Table	Height		34-1/4"	34-1/4"
	Size		20×27"	20×27"
	Size with Extension		36×27"	36×27"
	T-Slot Miter Gage Groove		3/8×3/4"	3/8×3/4"
Machine Dimension W×L×H			49×41×40"	
Installing Dimension			17-23/32×14-11/64"	
Weight			330 lbs.	

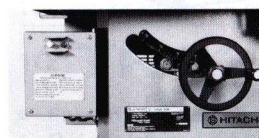
(Frame Size NEMA 182T)

Standard Equipment:

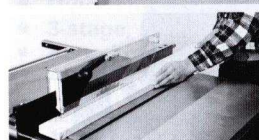
1 Arbor Wrench (977541), 1 Wrench (974604), 1 Driver (974965Z), 1 Lock Pin (977540), 1 Combination Blade 12" (977670), 1 Rip Fence Ass'y (977593), 1 Miter Gauge Ass'y (977583), 1 Extension Table (977501), 1 Blade Guard Ass'y (977574), 1 Motor Cover (977645), 1 Rear Guide Bar (977510), 1 Front Guide Bar (977506), 1 Connecting Bar (977511), 1 Table Insert for 12" Blade (977503), 1 Collar A (External Dia. 1") for 12" Blade (977519)

■ Accessories:

Description	Arbor	Teeth	Thickness	Part No.
10" Combination Blade	5/8"	40	.071"	977548
10" Carbide Tipped Blade		24		977671
10" Carbide Tipped Blade		60		977673
12" Combination Blade	1"	40	.102"	977670
12" Carbide Tipped Blade		24		977672
12" Carbide Tipped Blade		60		977674
Table Insert (C) for Dado Cutters				978152



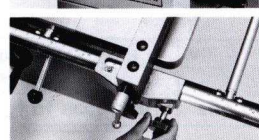
- Accurate tilting cut: 0~45°



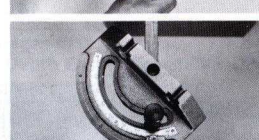
- Cast-iron rip fence for accurate ripping cut and for safety because an interior rip fence causes materials to kick-back.



- Convenient hand brake for rapid safe stopping of blade



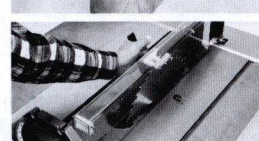
- Micro-set dial system to ensure accurate adjustment of rip length



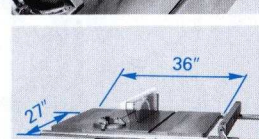
- Rigid, accurate miter gauge: 0~60° right and left also with adjustable index stop at 0° and 45°, right and left



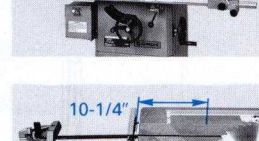
- Convenient quick-lock lever of rip fence for easier operation



- Convenient spindle lock for easy safe blade change



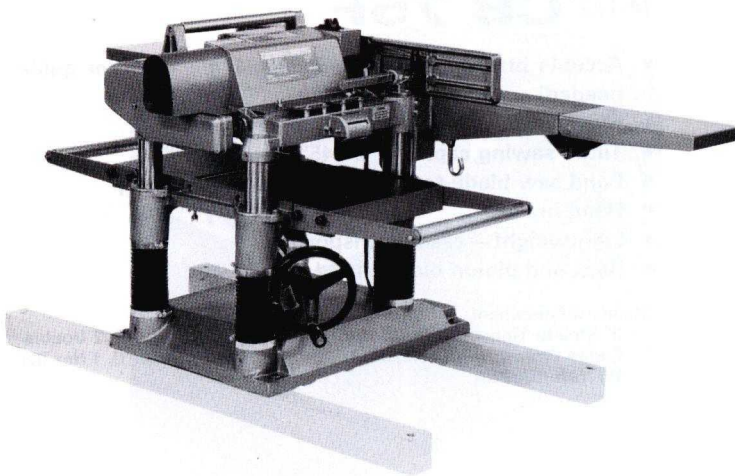
- Large (27×36") precision-ground table surface. Clear plastic blade cover protects operator and permits clear view of cutting line. Splitter with kick-back prevention device ensures greater cutting accuracy and enhanced safety.



- Table front depth (10-1/4" from table edge to tip of 12" blade) can be extended to 22-3/4" through use of miter gauge securely mounted in T-slots on either side of the blade.



PLANER JOINTER/PLANER



12" F-1000A

- Compact and lightweight
- 12-5/32" wide automatic planer blade
- Spring system method allows simple adjustment of blade height.
- High precision of angular division with four column construction
- Depth gauge

Standard Equipment:

2 Blade Height Setting Gauges (973852), 1 Tool Box (946361), 1 Screwdriver (945882), 1 Wrench (935289), 1 Box Wrench (967746), 2 Blades for Planer (972011), 2 Blades for Jointer (879208), 1 Push Block (973859Z)

For accessories, see page 49.

12" P 100F

- Compact and lightweight
- 12-5/32" wide automatic planer blade
- Spring system method allows simple adjustment of blade height
- Depth gauge

Standard Equipment:

2 Blade Height Setting Gauges (973852), 1 Tool Box (946361), 1 Screwdriver (945882), 1 Wrench (935289), 1 Box Wrench (967746), 2 Blades (972011)

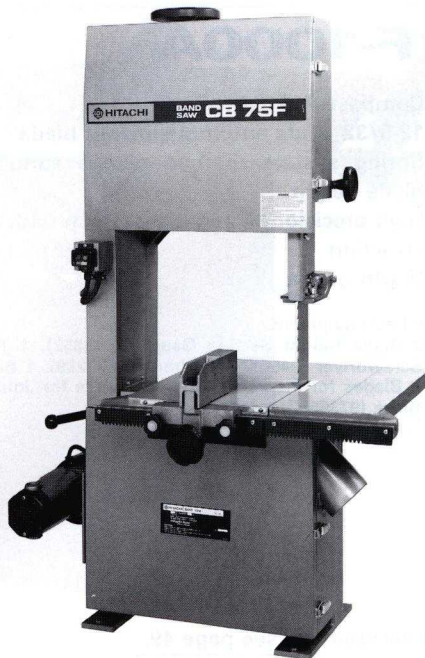
For accessories, see page 49.

Specifications:

		F-1000A		P 100F
		Planer	Jointer	Planer
Capacity	Max. Cutting Height	6-9/32"	—	6-9/32"
	Min. Cutting Thickness	3/16"	—	3/16"
	Max. Cutting Width	12-5/32"	6-9/32"	12-5/32"
	Max. Cutting Depth	1/8"		1/8"
Rated Current at 115 V-AC		15 Amps.		
Max. Output		2.7 Hp		
No-Load Speed		10,400/min.		
Transfer Speed		26 ft/min.	—	26 ft/min.
Table Dimensions (W×L)		12-3/4"×24-1/32"	6-3/8"×63-1/2"	12-3/4"×24-1/32"
Machine Dimensions (W×L×H)		63-1/32"×30-1/4"×28-7/8"		25-2/5"×29-1/10"×28-7/8"
Installing Dimensions (W×L)		42-9/32"×20-43/64"		15-7/8"×21-21/32"
Weight		320 lbs.		256 lbs.



BAND SAWS



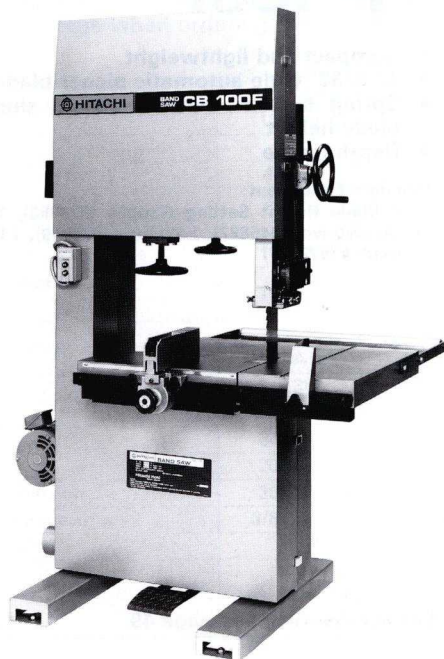
14-1/2" **CB 75F**

- Accepts blades of 1/4"~3" width (1/4"~1": other guide needed)
- Max. cutting height: 11-13/16"
- Tilted sawing capacity: 0~45°
- Band saw blade-tension with higher sensitivity
- Hand brake
- Lightweight—easily transportable
- Rack and pinion blade guard adjustment

Standard Equipment:

3" Stellite Tipped Blade (939971), 1 Guide Ass'y (977758), 2 Double-Ended Wrenches (972043, 974254), 1 Box Wrench (966821), 1 Hex Bar Wrench (967328)

For accessories, see page 49.



24-1/2" **CB 100F** (Special Order only)

- Max. cutting height: 15-3/4"
- Auxiliary roller for longer workpieces
- Table height: 33"
- Foot brake for enhanced safety
- Tilted sawing capacity: 0~45°
- Stellite tipped band saw blade

Standard Equipment:

4" Stellite Tipped Blade (939973), 2 Box Wrenches (966821), 1 Wrench (972043), 1 Wrench (974254), 2 Hex Bar Wrenches (M8 872422, M10 967328)

For accessories, see page 49.

■ Specifications:

Model		CB 75F	CB 100F
Power Source		Single Phase 115 V-AC	Three Phase (230/460 V-AC)
Capacity	Max. Cutting Height	11-13/16"	15-3/4"
	Blade Dimensions (W×L×D)	3"×111-3/16"×.026"	4-1/32"×173"×1/32"
Output		2.8 Hp (Max.)	4.9 Hp
Rotation of Saw-Wheel		900/min.	60 Hz 780/min.
Dia. of Saw-Wheel		16-7/64" (rubber coated wheel)	25-1/2"
Table Dimensions (W×L)		20-43/64"×19-19/64"	31-1/2"×27-9/16"
Cutting Width (w/o Guide)		14-1/2"	24-7/32"
Throat Opening		—	24-1/2"
Machine Dimensions (W×L×H)		36-27/32"×29-9/64"×60-11/32"	56-39/64"×47-1/4"×78-3/4"
Installing Dimensions (W×L)		17-1/2"×11-7/32"	27×31"
Weight		309 lbs.	1,433 lbs.



COLLECTOR



R 100

- Excellent cleaning capability either by blowing or suction
- Compatible with HITACHI woodworking machines
- Standard 4" hose outlets

Standard Equipment:

1 Dust Bag (976499), 1 Dust Bag (B) Ass'y (976515)

For accessories, see below.

Specifications:

Model	Capacity		Rated Current at 115 V-AC (Amps.)	Full-Load Speed (RPM)	Dust Bag Capacity	Dimensions (W×L×H)	Weight (lbs.)
	Blow Speed	Blow Volume					
R 100	140 ft./sec.	700 cf./min.	6.3	3,200	8 gallon	17-13/32×30×22"	66

Accessories for Woodworking Machines

Part No.	Part Name	Remarks	for Model
939971	Band Saw Blade (D) All Stellite	3"	CB 75F
967701	Band Saw Blade (A) Stellite (every other teeth)	3"	
967703	Band Saw Blade (B) Swaged	3"	
※ 967712	Band Saw Blade (C)	1"	
※ 967990	Band Saw Blade (E) Swaged	1/2"	
※ 967991	Band Saw Blade (F) Swaged	3/8"	
※ 967992	Band Saw Blade (G) Swaged	1/4"	
967684	Sawing Guide	—	CB 100F
977873	Blade Guide	for 1" Blade	
977874	Blade Guide	for 1/2", 3/8", 1/4"	
948583	Angle Ruler Ass'y	—	
939973	Band Saw Blade (C) All Stellite	4"	
974100	Band Saw Blade (A) Stellite, every other	4"	
974101	Band Saw Blade (B) Swaged	4"	
948583	Miter Gauge Ass'y	—	F-1000A, P 100F
972011	High-Speed Planer Blade	12-5/32"	
200001	Tungsten Carbide Blade	12-5/32"	
879208	High-Speed Blade	6-9/32"	
200002	Tungsten Carbide Blade	6-9/32"	
973852	Blade Height Setting Gauge	—	
950200	Caster Ass'y Y65	4 pcs/set	
974670	Caster with stopper	1 pc.	
959676	Duct Hose	4"×33 ft	R 100
959675	Duct Hose	4"×16 ft	R 100
976521	Nozzle	—	R 100
976522	Hood Ass'y for F1000A, P100F	—	R 100
976499	Dust Bag	8 gallon	R 100
976515	Dust Bag	40 gallon	R 100
93569570	Dust Bag UB400	105 gallon	R 100

※ Additional blade guides, Part No. 977873, 977874 are required.

Hitachi Company-Owned Service Centers

ATLANTA 4487-E. Park Drive Norcross, GA 30093 Tel: 404-925-1774
LOS ANGELES 7490 Lampson Avenue, Garden Grove, CA 92641 Tel: 714-891-5330

**When you send tools for repair to Hitachi Company-Owned Service Center,
 please label "ATTN: CUSTOMER SERVICE DEPARTMENT"**

HITACHI AUTHORIZED POWER TOOL SERVICE CENTERS

ALABAMA	MOODY 35044 (205) 699-1122 Southern Tool Repair, 2228 Moody Pkwy. MOBILE 36606 (205) 478-3335 Smith Power Tool, 2503 Commercial Pk.	CALIFORNIA	SANTA ROSA 95401 (707) 546-5862 Acme Electric Tool, 742 Wilson St. SANTA ROSA 95403 (707) 528-1111 H & V Tool Repair, 1808 Empire Industrial Ct. SANTEE 92071 (619) 448-7743 Brooklyn Airelectric Repair, 10054 Prospect Suite #R SIMI VALLEY 93065 (805) 584-8665 Simi Tools & Repair, 1226 E. Los Angeles Ave. SOLANA BEACH 92075 (619) 481-5563 E-Z Equipment Rental Inc., 235 S. Hwy 101 VENTURA 93003 (805) 658-8665 Al's Tool Mart, 4125 Market St.
ALASKA	ANCHORAGE 99503 (907) 274-1436 K-Appliance Sales & Service, 100E. Fireweed Lane	COLORADO	DENVER 80223 (303) 777-5463 Bartell Tool Service, 1448 W. Cedar Ave. FT. COLLINS 80524 (303) 482-9913 A-Z Rents It, 1540 Riverside Dr. GRAND JUNCTION 81501 (303) 245-3158 Cross Electric, 1755 Main St.
ARIZONA	PHOENIX 85040 (602) 253-7149 Arizona Armature, 4641 South 33rd. St. PHOENIX 85040 (602) 437-2834 Western Pneumatic Tool, 4213 South 37th St. TUCSON 85719 (602) 622-8877 Electric Motor Co., 1028 East Broadway	CONNECTICUT	DANBURY 06810 (203) 748-8134 Tools of the Trade, 100 Federal Rd. HARTFORD 06106 (203) 246-7271 Utility Electric Service, 53 Main St. LEBANON 06249 (203) 642-7421 Central Electric Motors Repair, RT 207 WILMINGTON 19808 (302) 994-6259 Appliance Service Center, 3311 Old Capital Trail DAYTONA BEACH 32014 (904) 253-5815 C & C Power Tools Sales & Repair, 856 Mason Ave. DELAND 32720 (904) 734-3244 A-1 Electric Motor, 227 West Beresford FT. LAUDERDALE (305) 565-8229 Broward Tool Repair, 3547 North Dixie Hwy. FT. LAUDERDALE 33334 (305) 565-8229 Broward Tool Repair, 3547 North Dixie Hwy. FT. MYERS 33905 (813) 694-6058 Power Tool Repair of Ft. Myers, 9950 Orange River Blvd. FT. MYERS 33912 (813) 939-3535 Brinker Brown Tool Repair, 11000 Metro Pkwy 14 FT. WALTON BEACH 32548 (904) 244-6178 Diamond Drill & Anchoring, 64 Beal Pkwy. HIALEAH 33013 (305) 836-7488 The Creation Tool Co., 3865 E. 4th Ave. JACKSONVILLE 32209 (904) 353-5535 Duval Equipment, 2136 W. Beaver St. JACKSONVILLE 32205 (904) 387-4455 N. Fla. Machinery & Tool Repair, 230-B S. Edgewood Ave. LAKE WORTH 33460 (407) 585-2232 Allied Tool Repair, 1130A North G St. MELBOURNE 32901 (407) 723-6434 Stebbins Hardware, 405 E. New Haven Rd. MIAMI 33122 (305) 592-3771 I.M.A. Tool Town Repair, 2800 N.W. 72nd Ave. ORLANDO 32809 (407) 851-3600 Alden Tool Service, 11909 S. Orange Blossom Tr. ORLANDO 32804 (407) 894-2266 G M Tool & Fastner, 2420 N. Orange Blossom Tr. PANAMA CITY 32404 (904) 763-9679 Cook's Sharp All, 613 Camellia Ave.
ARKANSAS	LITTLE ROCK 72202 (501) 374-8180 Electric Tool Service, 1419 West 10th St.	DELAWARE	
CALIFORNIA	ANAHEIM 92805 (714) 533-6350 Anaheim Tool Repair, 500 S. Anaheim Blvd. BAKERSFIELD 93308 (805) 322-1586 Electropower Inc., 3736 Gilmore Ave. CONCORD 94520 (415) 687-1442 Electric Euro Service, 1913 Salvio St. CUCAMONGA 91730 (714) 987-8958 I.P.M. Inc., 10088 6th St. #C EUREKA 95501 (707) 443-0416 Senn Electric, 2104 4th St. FRESNO 93703 (209) 486-6200 Blackstone Electric, 1251 Blackstone Ave. GARDEN GROVE 92641 (714) 891-5330 Hitachi Power Tools U.S.A., 7490 Lampson Ave. GLENDALE 91205 (818) 244-9277 Glendale Power Tools, 921 So. Verdugo Rd. GRASS VALLEY 95945 (916) 273-6321 Freddy's & Sons Fix it all, 540 E. Main St. HUNTINGTON BEACH 92649 (714) 898-3425 Modern Tool Service 15561 Product Lane D6 LONG BEACH 90807 (213) 427-7911 Tool City Repair, 2281 E. Carson St. LOS ANGELES 90023 (213) 264-7008 Minit Tool Co., 3026 E. Olympic Blvd. MODESTO 95351 (209) 523-8269 Stanislaus Electric Motor, 504 River Rd. N. HOLLYWOOD 91605 (818) 765-0228 Bucknall Power Tool Service, 11910 Vose St. REDDING 96002 (916) 223-1983 Cary's Tool Repair, 2335 "D" Larkspur Lane SACRAMENTO 95821 (916) 483-8513 Sacramento Machinery Co. Inc., 3412-A Auburn Blvd. SACRAMENTO 95820 (916) 381-6300 Valley Nail Supply, 5400 Power Inn Rd. SAN FRANCISCO 94103 (415) 863-6442 Craig & Green, 82 14th St. SAN FRANCISCO 94103 (415) 431-6821 Repair Tech., Inc. 155 12th. St. SANTA ANA 92705 (714) 541-6631 Alexander Power Tools, 1706 South Grand SANTA CLARA 95050 (408) 727-5402 GET Repairs, 364 Martin Ave. SANTA MARIA 93454 (805) 922-4827 M & M Repair, 121 N. Blosser Rd.	FLORIDA	

FLORIDA	PENSACOLA 32503	(904) 244-6178	MISSOURI	CAMDENTON 66020	(314) 346-7553
	Diamond Drill Anchoring Sys., 3800 North Davis			Bowling Electric, N. Hwy. 5	
	PENSACOLA 32501	(904) 433-0400		ST. LOUIS 63139	(314) 351-4550
	M & W Electric Motor Service, 1250 Barrancas Ave.			P.M. Electric Co., 5280 Flyer Ave.	
GEORGIA	TAMPA 33604	(813) 238-1537	MONTANA	ST. LOUIS 63110	(314) 647-7700
	Electrical Repair, 7802 N. Florida Ave.			W.J. Brennan Co., 5555 Manchester Ave.	
	WINTER PARK 32789	(407) 628-2561		ST. PETERS 63376	(314) 928-7678
	Power Drill & Fastners, 755 Clay St.			Tool Service Center, 89 Algana Court	
HAWAII	MACON 31201	(912) 745-3396	NEBRASKA	BILLINGS 59101	(406) 248-3865
	Reliable Electric Motor Co., 423 Astor St.			Allen's Electrical Tool, 431 St. Johns Ave.	
	MARIETTA 30067	(404) 421-0688		MISSOULA 59806	(406) 549-4115
	Precision Tool Repair, 431 Commerce Pk. Dr. #106			Electro Service Center, 1919 Harve	
IDAHO	NORCROSS 30071	(404) 448-7216	NEVADA	OMAHA 68102	(402) 341-2264
	Atlanta Tool Service, 6900 Peachtree Ind. Blvd. Unit #A			Thacker Electric, 2209 Cumings St.	
	NORCROSS 30093	(404) 925-1774		CARSON CITY 89701	(702) 883-5256
	Hitachi Power Tools U.S.A., 4487-E Park Dr.			Bilbo Tool Company, 2601 East 5th St.	
ILLINOIS	SAVANNAH 31402	(912) 234-2271	NEW HAMPSHIRE	LAS VEGAS 89109	(702) 734-9161
	Morgans Inc., 110 Ann St.			Tool Service Inc., 3229 Industrial Rd.	
	HILO 96720	(808) 877-0011		RENO 89109	(702) 323-5982
	Monarch Home Center, 1717 Kam Ave.			Comstock Electric Motor, 425 Eureka Ave.	
IOWA	HONOLULU 96817	(808) 538-7435	NEW JERSEY	BRENT WOOD 03833	(603) 642-3208
	John Grinnon Company, 345 N. Nimitz Hwy.			Raymond Electric Service, Route 125	
	BOISE 83706	(208) 342-1131		BLOOMFIELD 08003	(201) 743-0600
	Boise Ignition Co., 111 N. 23rd St.			Arrow Electric Motor Co., 187 Bloomfield	
INDIANA	DES MOINES 50311	(515) 274-3724	NEW MEXICO	FREEHOLD 07728	(201) 462-1660
	Iowa Pneumatic Repair, 7420 University Ave.			Freehold True Value Repair, Rt. 9	
	CHICAGO 60639	(312) 237-2600		ALBUQUERQUE 87107	(505) 345-2426
	Alta Service Company, 1935 N. Leclarie			Telco Electric Inc., 2906 4th St. N.W.	
KANSAS	ELK GROVE VILLAGE 60007	(312) 439-5430	NEW YORK	ALBUQUERQUE 87108	(505) 255-2304
	Region 5 Sales & Service, 170 Seegers Ave.			J-M Tool Repair Company, 320 Florida S.E.	
	LYONS 60534	(312) 447-0201		BROOKLYN 11210	(718) 338-8911
	Suburban Engine & Tool, 4227 S. Joliet Ave.			Five Boro Pneu-Tronics Inc., 798 E. 43rd. St.	
KENTUCKY	MOKENA 60448	(312) 479-1550	NORTH CAROLINA	BUFFALO 14210	(716) 828-1282
	Bracing Systems Service, 9660 W. 194th St.			S & S Electric Repair, 2470 Seneca St.	
	PEORIA 61651-0555	(309) 676-3333		HUNTINGTON STATION 11746	(516) 271-2141
	C & H Repair & Supply Co., 2313-15 S.W. Adams				(516) 549-0204
MAINE	ELKHART 46516	(219) 295-0296	OHIO	A & T Tool & Equipmnt Svc., 505 E. Jericho Tpke.	
	Dunlap Tool Repair & Supply, 721 Graywood Ave.			KINGSTON 12401	(914) 336-6000
	EVANSVILLE 47711	(812) 464-9341		Miron Building Products Co., Inc., Rt. 9, W. North	
	Tri-State Repair Service Inc., 1327 N. Fares Ave.			ROCHESTER 14621	(716) 266-6331
MARYLAND	HUNTINGTON 46750	(219) 356-5028	NORTH DAKOTA	Frenzel Brothers, 340 Conkey Ave.	
	Huntington & Rental Inc., 1621 S. Jefferson St.			SOUTHAMPTON 11968	(516) 283-5130
	INDIANAPOLIS 46202	(317) 632-1594		Richard Tool & Motor Repair, County Rd. 39 & N. Main St.	
	Va Ma Co. Tool Sales & Repair, 919 N.E. St.			SYRACUSE 13204	(315) 468-1712
MASSACHUSETTS	GARDEN CITY 67846	(316) 275-6306	OHIO	Ramsing Electric Repairs Inc., 914 Emerson Ave.	
	Midwest Electric & Motor Shop, 1620 Buffalo Jones			WEST ISLIP 11795	(516) 661-5548
	HUTCHINSON 67504	(316) 663-3301		Sunrise Tool Service, 123 Sunrise Hwy.	
	Jarvis Auto Supply, P.O. Box 1323			ASHEVILLE 28802	(704) 252-4785
MINNESOTA	OVERLAND PARK 66204	(913) 341-5122	OHIO	Hayes & Lunsford Electric Motor, 226 Hillard Ave.	
	Overland Tool Co., 7520 W. 80th St.			CHARLOTTE 28212	(704) 545-5198
	LEXINGTON 40505	(606) 254-5581		Diversified Equipment, 11223 Blair Rd.	
	City Electric Motor Co. of Lexington, 631 Kennedy Rd.			CHARLOTTE 28206	(704) 332-3578
MISSOURI	LOUISVILLE 40217	(502) 635-6888	OHIO	Portable Tool Service, 3209 Cullman Ave.	
	Tool Repair Service, 1200 Goss Ave.			CHARLOTTE 28227	(704) 545-5198
	HOULTON 04730	(800) 832-2212		Wendells Woodworks, Inc., 11223 Blair Rd.	
	Hogan Tire Inc., RFD #4 Box 1	(207) 532-2211		GREENSBORO 27407	(919) 292-9000
NEBRASKA	WESTBROOK 04092	(207) 856-6353	OHIO	Ensco Supply Company, 825 Norwalk St.	
	Coastal Tool Inc. 25 Bridge St.			HIGH POINT 27260	(919) 889-0222
	COLUMBIA 21045	(301) 995-3842		Piedmont Electric Co., Inc., 208 N. Lindsay St.	
	Pro-Serv. Inc., 9051 M. Red Branch Rd.			RALEIGH 27604	(919) 833-5903
NEVADA	EASTON 21601	(301) 822-0910	OHIO	Specialty Tool Service, 2420 Atlantic Ave.	
	Easton Hardware & Furniture, 303 N. Washington St.			BISMARCK 58501	(701) 223-7630
	EVERETT 02149	(617) 389-1442		Becker Electric Inc., 1819 Michigan Ave.	
	Panda Sales Corp., 169 Main St.			BISMARCK 58501	(701) 223-9184
NEW HAMPSHIRE	HANOVER 02339	(617) 826-5931	OHIO	H & L Sharpening Service, RR #2 Box 99	
	J & B Power Equipment Co., 456 Columbia Rd.			ALPHA 45301	(513) 429-5593
	ROCHESTER HILLS 48309	(313) 852-8660		Authorised Tool Service, 676 Orchard Lane	
	Quality Tool Supply & Repair, 2248 Star Ct. Bldg. 6			CINCINNATI 45210	(513) 621-8434
NEW JERSEY	MINNEAPOLIS 55407	(612) 721-6651	OHIO	A-1 Power Tool Repair, 1424 Central Pkwy.	
	Deko Factory Service, 3048 Bloomington Ave.			CINCINNATI 45215	(513) 772-1490
	MINNEAPOLIS 55411	(612) 588-4693		Professional Tool Service, 1125 Glendale-Milford Rd.	
	Electric Motor Repair, 2010 North 4th St.			CLEVELAND 44114	(216) 881-2566
NEW MEXICO	ST. PAUL 55104	(612) 644-9622	OHIO	Kay-Dee Air & Electric Tool, 3407 St. Clare Ave.	
	Capitol Carbide, 1000 University Ave.				

OHIO	COLUMBUS 43222	(614) 274-4357	TEXAS	EL PASO 79987	(915) 772-1469
	Tradesman Tool Service, 127 N. Central			C. L. North Co, P.O. Box 9701	
	COLUMBUS 43215	(614) 476-8800		EL PASO 79903	(915) 566-3352
	Vollmer Electric, 2920 Switzer Rd.			Delbs Wholesale, 2930 Pershing Dr.	
OKLAHOMA	NEWARK 43055	(614) 344-9404	UTAH	FT. WORTH 76114	(817) 429-4370
	Tim Stone Power Tools, 142 Union St.			Air Nailing Systems, 2542 N.E. Loop 820	
	TOLEDO 43606	(419) 473-0962		FT. WORTH 76107	(817) 335-4749
	Power Tool Sales & Service, 2934 Douglas Rd.			Williams Tools, 2017 White Settlement Rd.	
OREGON	OKLAHOMA CITY 73108	(405) 947-2226	VERMONT	HOUSTON 77056	(713) 623-0515
	Commercial Tool Repair Inc., 2114 W. Reno			Agrotex Products Inc., 5373 W. Alabama, Suite 404	
	TULSA 74115	(918) 836-2898		HOUSTON 77007	(713) 861-2364
	Janco Tool & Repair Inc., 5749 E. Admiral Pl.			K-Pal Tool Company, 5000 W. Katy Freeway	
PENNSYLVANIA	ALBANY 97321	(503) 967-4222	VIRGINIA	HOUSTON 77003	(800) 327-2156
	Western Tool Supply, 805 South Burkhardt			Power Tool Service, 1314 Milby	
	EUGENE 97402	(503) 344-1243		MIDLAND 79701	(915) 682-4647
	Jim's Tool Service, 515 Wilson St.			Midland Tool Specialties, 918 South Main	
RHODE ISLAND	GRANTS PASS 97526	(503) 479-8876	WASHINGTON	SAN ANGELO 76902	(915) 944-8258
	Machine Masters, 508 N.E.F. St.			Angelo Tool Company, 914 Arroyo Dr.	
	KLAMATH FALLS 97601	(503) 884-7796		SAN ANTONIO 78212	(512) 224-5576
	Winema Electric Inc., 735 Commercial St.			Otto Dukes Machinery, 600 San Pedro Ave.	
SOUTH CAROLINA	PORTLAND 97209	(503) 226-2726	WISCONSIN	SAN ANTONIO 78216	(512) 377-2921
	Central Electric Sales & Supply, 400 N.W. 17th			Texas Industrial Lube Tool, 405 Breesport	
	PORTLAND 97214	(502) 223-5381		WACO 76701	(817) 752-4329
	National Builder Hardware, 1019 S.E. 10th Ave.			Omega Saw & Tool Corp., 326 South 15th St.	
TENNESSEE	IVYLAND 18974	(215) 357-3500	PUERTO RICO	SALT LAKE CITY 84107	(801) 266-4131
	Reliable Equipment, 92 Steamwhistle Dr.			B & C Electric, 6064 South 300 W.	
	PHILADELPHIA 19146	(215) 952-1919		JONESVILLE 05466	(802) 434-4511
	Diamond Tool & Fasteners, 29th & Grays Ferry Ave.			John Beard Tool Repair Co., Rt. 2	
TEXAS	PHILADELPHIA 19107	(215) 925-0672		WHITE RIVER JCT 05001	(802) 295-3114
	Ideal Tool & Equipment, 140 N. 10th St.			T & L Electric Inc., 35 N. Main St.	
	PITTSBURGH 15233	(412) 231-3100		FAIRFAX 22030	(703) 591-8585
	Snyder Electric Co., 1500-02 Chateau St.			Capital Rentals, 11085 Lee Hwy.	
UTAH	SLATKINGTON 18080	(215) 767-8148		RICHMOND 23230	(804) 355-5713
	Dowards Motor Repair, 4711 Main St.			Roy's Electric Motor Service, 3201 Norfolk St.	
	NORTH KINGSTOWN 02852	(401) 295-5472		NORFOLK 23504	(804) 625-0739
	Quaker Lane Tool Repair, 3520 Quaker Lane			Norfolk Electric Co., 3126 E. Princess Anne Rd.	
VERMONT	COLUMBIA 29203	(803) 252-7777		BELLEVUE 98005	(206) 453-8015
	Mann Electric Repair, 3600 Main St.			Power Tool Service, 12121 NE Northrup Way #108	
	GREENVILLE 29601	(803) 242-5893		MOUNT VERNON 98273	(206) 424-9150
	Service Repair Co., 15 Hyde St.			Northwest Carbide Sharpening, 908 M ^l ean Rd.	
WASHINGTON	MYRTLE BEACH 29577	(803) 448-3586		SPOKANE 99202	(509) 535-9841
	Coastal Elect. & Rewinding Co., Inc., 718 8th Ave. Ext. North			Safway Supply Inc., E. 150 7 Sprque	
	MEMPHIS 38116	(901) 332-1353		SPOKANE 99202	(509) 489-4204
	Express Tool Service, 1004 E. Brooks Rd.			Spokane Power Tool, E. 801 Trent	
WISCONSIN	NASHVILLE 37210	(615) 242-8026		TACOMA 98409	(206) 383-4416
	Allied Tool Repair, 1005 2nd Ave. So.			Center Electric Inc., 1212 S. 30th	
	AUSTIN 78722	(512) 472-2428		MILWAUKEE 53215	(414) 384-0400
	Hamilton Electric, 3800 Airport Blvd.			Power Tool & Equipment, 2934 W. Burnham St.	
WISCONSIN	CORPUS CHRISTI 78405	(512) 883-0921		RACINE 53402	(414) 639-1225
	Otto Dukes Machinery, 2588 Morgan Ave.			U.C.I. Sales Inc. 2601 Douglas Ave.	
	DALLAS 75207	(214) 630-8251		SAN JUAN 00936	(809) 757-3255
	Big D Tool Center, 2366 Irving Blvd.			Union Carbide Trading Corp., GPO Box 957	

MAJOR SERVICE PARTS

MODEL	Switch	Armature	Stator	Brush	Cord
B 600A	937218 (1P) 947100 (2P)	968916C	968914C	999044	947103
C 4Y	937813 (1P)	958091C	958090C	999021	500240Z
C 6DA	980061 (1P)	986392	986391	986400	
C 7SA	963756Z (2P)	990112C	958128J	999043	500413Z
C 8FB	998839 (1P)	360072G	340108G	999043	500241Z
C 10FA	976447 (1P)	974614G	976445H	937943Z	500242Z
C 10FB	976447 (1P)	976818C	976817G	999038	500241Z
C 12FA	976447	360150G	340183G	999044	500242Z
C 12Y	977567	977660A (115V) 977660B (230V)	968914L (115V) 977658C (230V)	974611Z	500400Z (115V) 977642 (230V)
C 15FA	976447 (1P)	974614G	976445H	937943Z	500242Z
C 15FB	976447 (1P)	360065G	976445G	999044	500242Z
C 16	955509 (1P)	955472C	943000J	999084	500240Z
CB 10V	994584 (1P)	360013	340035C	999085	500413Z
CB 75F	937218 (1P) 947100 (2P)	974727C	968914C	999044	977778
CB 100F	975578				988970
CC 12	951864Z (2P)	951875C	951874C	999081Z	500242Z
CC 12Y	981685P (2P)	985602C	981682D	937943Z	500242Z
CC14	951864Z (2P)	951875C	951874C	999081Z	500242Z
CC 16SA	951864Z (2P)	951908C	951909C	999081Z	500242Z
CE 16	980778 (2P)	360098C	340127C	999021	500240Z
CJ 65	963633 (2P)	963638C	963431C	999021	500240Z
CJ 65V	957747 ON/OFF (1P)	963638C	963637C	999084	500240Z
CJ 65VA	963633 ON/OFF (2P)	963638C	963637C	999021	500240Z
CK 12D	995472	995471 Motor			
CN 16	980778 (2P)	360098C	340127C	999021	500240Z
CR 10V	957747 ON/OFF (1P) 983577 VAR.	983581	983580C	981612Z	500240Z
CR 12V	957747 ON/OFF (1P) 983577 VAR.	360070	983580C	999043	500240Z
D 6D	982456	984299 Motor			
D 10D	982456	991647 Motor			
D 10DB	992072	992071 Motor			
D 10DC	992103	992071 Motor			
D 10DD	995426	995421 Motor			
D 10DF	301790	301724 Motor			
D 10DG	998360	995421 Motor			
D 10DH	301554	301724 Motor			
D 10V	986114 VAR. 982588Z	982586C	982585C	999080Z	500240Z
D 10V1	992636 REV.	360112C	918886C	999041	500240Z
D 10VC	986114 VAR. 991889 REV.	991887C	991886C	999041	500240Z
D 10Y	986114 VAR. 982588Z REV.	986113C	982585C	999080Z	500240Z
D 13	957747 ON/OFF 982803Z REV.	981657C	982797C	981612Z	500240Z
D 13V	958342 VAR. 983447Z REV.	983443C	983449C	999080Z	500240Z
D 13Y	957747 ON/OFF 981663P REV.	981657C	981656C	981612Z	500240Z
D 13YA	981821 ON/OFF	360012C	340012C	981612Z	500413Z
DH 22	958400Z (2P)	984170C	984064C	980666Z (Until #449999) 999084 (From #540001)	500249Z
DH 22VB	301690	360149C	340188C	999080Z	500249Z
DH 38YA	981940 (1P)	981971C	981970C	981612Z	500249Z
DH 38YE	992891	981971C	981970C	981612Z	728502
DH 50SB	981940 (1P)	985472C	985471C	961946Z	728502
DMR 13	957747 ON/OFF (1P)	981657C	981656C	981612Z	500240Z
DR 10	986114 VAR. (2P)	950506C	950502C	999080Z	500240Z
DRC 10	980830 (2P)	Motor 980822 (Until #849999) 992071 (From #940001)			
DTC 10	980830 (2P)	Motor 980822 (Until #849999) 992071 (From #940001)			
DV 10D	982456 92746 Circuit Breaker	Motor 992740 (Until #279999) 992747 (From #370001)			
DV 10DA	995426	300020 Motor			
DV 14V	994454 REV.	360029C	340030J	999041	500204Z
DV 20V2	994392	360029C	340030J	999041	500240Z
DVR 10	986114 VAR. (2P) 981125Z REV.	981103C	981101C	999080Z	500240Z
DVR 13	986114 VAR. (2P) 981125 REV.	981103C	981101C	999080Z	500240Z
DW 10D	980830	994661 Motor			
DW 10DA	996200	994661 Motor			

MODEL	Switch	Armature	Stator	Brush	Cord
DW 15Y	992636 REV.	992640	992639C	999041	500240Z
F 20A	941627E (Until #01999) 957747 (From #N1001)	958697C	958693P	999021	500240Z
F 30A	960280Z	958864C	958862L	999043	500240Z
F 1000A	972082Z	972071C	972081G	974611Z	
FA 700	974490 (1 Phase) 974491 (3 Phase)	974727C	968914C	999044	
F 1500	973482	Contract Hitachi authorized power tools service center			
G 10	980778	360009C	982041P	999084	500240Z
G 10SA	980778	360009C	982041P	999084	500024Z
G 10SD1	980778	360163C	340187K	999021	930310P
G 12S1	980778	360163C	340187K	999021	930310P
G 12SA	980778	360016C	340016D	999021	500024Z
G 18	981685P	938255C	938242K	961946Z	500240Z
GP 2	980778	985134C	985133K	999084	500240Z
H 45SA	992891	981971C	340147C	981612Z	728502
H 45SB	992891	981971C	340147C	981612Z	728502
H 55SC	992891	985472C	985471C	961946Z	728502
H 65	992891	360068C	340011C	999044	500417Z
H 85	992891	956536C	985234C	937943Z	500404Z
H 90SB	992891	360073C	340110C	999086	500418Z
HU-12	964944Z (Until #819999) 951881Z (From #910001)	964952C	964960G	964976Z	964948Z (Until #819999) 500400Z (From #910001)
HU-14	964944Z (Until #819999) 951881Z (From #910001)	964980C	964960G	964976Z	964948Z (Until #819999) 500400Z (From #910001)
JH 60A	957747	958245C	958242C	999021	500240Z
JHV 60	958348Z	958245C	958305C	999021	500240Z
LA 12	955509	955472C	943000J	999084Z	500240Z
M 12SA	301821	360145C	340174C	999044	500242Z
M 12V	301821	360147C	340176C	999044	500242Z
P 50	953178	963466C	963484C	961946Z	500404Z
P 100F	972082Z	972071C	972081G	974611Z	500400Z
PDC 180	981533Z	981531C	981530C	937943Z	500242Z
PDC 230	981533Z	981531C	951530C	937943Z	500242Z
PDL180A	981685P (From #810001)	937945C	981682C (Until #719999) 981682D (From #810001)	937943Z	500242Z
PDL 230	981685P (2P From #810001)	937945C	981682C (Until #719999) 981682D (From #810001)	937943Z	500242Z
PDM 115	980778 (2P)	938284C	938315D	999021	938310P
PDM 125	980778 (2P)	938284C	938315D	999021	938310P
PDM 230	981685P (2P From #120001)	938104C	938091D	937943Z	500242Z
PH 65A	992891 (1P)	956946C	340124H	937943Z	500404Z
PH 85	956518 (1P)	956536C	956467C	937943Z	500404Z
PHU 45	992891 (1P)	981971C	981970C	981612Z	500249Z
PSM 7	961960 (2P)	961933C	961932C	961946Z	500399Z
PSM 8	961810Z (2P)	961819C	961835C	937943Z	500400Z
PSM 9	961810Z (2P)	961819C	961835C	937943Z	500400Z
R 100	934246 (1P)	976512	977203C		977202
SAG 180	981685P (2P) 937921P (2P)	937945C	937891C (Until #719999) 981682D (From #810001)	937943Z	500242Z
SAT 180	986201 ON/OFF (1P) 953249P (2P)	953297C	953231C	999043	500240Z
SB 8T(A)	956632 ON/OFF (2P) 953179 (1P)	953145C	953142L	999043	500240Z
SB 10T	931573 (2P) 995582 (1P)	953145C	340104C	999043	500240Z
SB 75	956632 ON/OFF (2P) 953179 (1P)	953145C	953142C	999043	500240Z
SB 110	956632 ON/OFF (2P) 953124Z (2P)	953037C	953032C	999036 (Until #639999) 999038 (From #730001)	500240Z
SO 110(A)	957747 ON/OFF (1P)	953367C	953303C	999021	500240Z
SOD 110	957747 ON/OFF (1P)	953361C	953303C	99035 (Until #449999) 999021 (From #540001)	500240Z
SP 18T	957747 ON/OFF (1P) 990590 (1P)	990588C	990587C	981612Z	500240Z
SP 18V	956632 ON/OFF (2P) 996075 VAR.	360064C	340102C	999043	500240Z

MODEL	Switch	Armature	Stator	Brush	Cord
SV 12SA	987174 (1P)	987172C	987171J	999041	500240Z
SV 12SD	957747 (1P)	360124C	340156C	999041	500240Z
SV 12SE	957747 (1P)	360124C	340156C	999041	500240Z
SV 12V	957747 (1P)	360124C	340156C	999041	500240Z
TR 6	956789 (2P)	960085C	960083C	999021	500241Z
TR 8	956789 (2P)	971834C	971832C	999043	500240Z
TR 12	956789 (2P)	956766C	956762C	999038	500241Z
TSB 10	974618Z (2P)	974614G	974613G	974611Z	500241Z
TSB 15	974618Z (2P)	974614G	974613G	974611Z	500241Z
UA 130	934193 (1P)	952357	952400C		952412Z
UA 150		Contact Hitachi authorized power tool service center			
VR 16	958400Z (2P)	980910C	980908C	999084	500249Z
VRT 22A	971824Z ON/OFF (2P) 980669Z (1P)	971734C	971732C	980666Z (Until #449999) 999084Z (From #540001)	500240Z
VRY 38	992891 (1P)	981971C	981970C	981612Z	500249Z
VTC 10	982456 (2P) 982460 Circuit Breaker	992740 Motor			
VTP 10	957747 (1P)	971666C	971665C	999041	500240Z
VTP 13	957747 (1P)	971666C	971665C	999041	500240Z
VTP 16A	957747 (1P)	981611C	981610C	981612Z	500240Z
VTV 10	986114 (2P)	971666C	981665U	999041	500240Z
VTV 13	986114 (2P)	971666C	981665U	999041	500240Z
VTV 13A	986114 (2P)	971666C	981665U	999041	500240Z
W 5DB	998764 (2P) 998763	998751 Motor			
W 6	957747 ON/OFF (1P) 982566Z REV.	982557C	983470C	999080Z	500240Z
W 6SA	957747 ON/OFF (1P) 982566Z REV.	982611C	983470C	999080Z	500240Z
W 6S1	957747 ON/OFF (1P) 992636 REV.	360048C	340100C	999080Z	500415Z
W 6SA1	957747 ON/OFF (1P) 992636 REV.	360049C	340100C	999080Z	500415Z
W 6V	985347 VAR. (2P) 982566Z REV.	982557C	982556P	999080Z	500240Z
W 6V1	985347 VAR. (2P) 992636 REV.	360048C	340099C	999080Z	500415Z
W 6VA	985347 VAR. (2P) 982566Z REV.	982611C	982556P	999080Z	500240Z
W 6VA1	985347 VAR. (2P) 992636 REV.	360049C	340099C	999080Z	500247Z
W 6VB	985347 VAR. (2P) 985315 REV.	985314C	985313C	999080Z	500240Z
W 6VE	985347 VAR. (2P) 985315 REV.	992707C	985313C	999041	500240Z
W 6VF	985347 VAR. (2P) 985315 REV.	992707C	985313C	999041	500240Z
WH 8D	995426 (2P)	996101 Motor			
WH 8DA	995426 (2P)	996101 Motor			
WH 8DA1	995426 (2P)	996101 Motor			
WH 10D	985103 (2P)	Magnet 991442 Armature 991443			
WH 14	985103 (2P)	986051C	986049C	999021	500240Z
WH 16	985103 (2P)	985183C	985181C	999021	500240Z
WH 22	985103 (2P)	985284C	985282C	999043	500240Z
WH 22SA	985103 (2P)	985284C	985282C	999043	500240Z

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